Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 135 JANUARY 9, 1939 Number 2

RECEIVED JAN 9 1939

LIBRARY

PHOSPHORIC ACID

85% USP SYRUPY

Made from pure Elemental Phosphorus of our own production. Meets all USP and U. S. Pure Food Law requirements. Special corrosion-resistant equipment for handling and storage maintains purity to delivery. Prompt service from convenient shipping points.

"AA QUALITY" CHEMICAL PRODUCTS

Monocalcium Phosphate	Carbonate of Ammonia	Sulphuric Acid
Dicalcium Phosphate	Bone Black Pigments	Gelatins
Disodium Phosphate	Sodium Silicofluoride	Phosphorus
Trisodium Phosphate	Sod. Acid Pyro Phosphate	Phosphoric Acid

The AMERICAN AGRICULTURAL CHEMICAL Co

50 Church Street, New York

33 Offices in Principal Cities in U. S., Cuba and Canada

THE AMERICAN AGRICULTURAL CHEMICAL COMPANY · AA QUALITY

Sodium Tungstate

Sodium Molybdate

PRIOR CHEMICAL CORPORATION

420 LEXINGTON AVENUE, NEW YORK

PHONE: Mohawk 4-9811 TELETYPE: NY-1-2054 CABLE: Priorchem, New York

Selling Agents for

Molybdenum Corporation of America

Established 1880

WM. S. GRAY & CO.

342 MADISON AVENUE

NEW YORK CITY

Cable Address: Graylime Phone: VAnderbilt 3-0500

U. S. P.

FORMALDEHYDE

40% by Volume

SURFEX····

MULTI-PURPOSE PAINT INGREDIENT

Reduced vehicle requirements and lowered grinding costs are two of the important savings possible with Surfex in Paint Formulation.

Improved Wetability, Reduced Penetration and High Gloss are some of the advantages.

Surfex is the only calcium carbonate providing these advantages.

●

PURE CALCIUM PRODUCTS DIVISION

DIAMOND ALKALI COMPANY

BOX 407 PAINESVILLE, OHIO

(National Distributor) THE R. T. VANDERBILT CO. 230 Park Avenue, New York, N. Y.

(Metropolitan New York Distributor) D. H. LITTER COMPANY 500 Fifth Avenue, New York, N. Y

PUBLICKER

COMMERCIAL ALCOHOL COMPANY

1800 W. LEHIGH AVENUE, PHILADELPHIA, PENNA.

MANUFACTURERS OF

ACETONE · BUTYL ALCOHOL

BUTYL ACETATE · AMYL ACETATE

ALCOHOL

Pure and Denatured

Guaranteed 99½% to 100% Pure

BORAX

BORIC ACID

Refined and U. S. P.

» Crystal » Granulated » Powdered » Impalpable »

» Calcined Borax Glass » Manganese Borate » Anhydrous Ammonium Borate »

Samples on request

PACIFIC COAST BORAX COMPANY

Dept. Q

51 Madison Avenue, New York

CHICAGO LOS ANGELES

Why "CARBITOL" Trade Mark SOLVENTS *are used in many industries*

THE "Carbitol" solvents, ethers of diethylene glycol, resemble the "Cellosolve" products in many of their properties; however, the esters, ethers and other derivatives of "Carbitol" products have lower hydrocarbon solubility, greater water solubility, and higher boiling points. Together these solvent groups make available a wide range of boiling points and evaporation rates. Although your particular field of interest may not be specifically covered by the following illustrations, the "Carbitol" compounds may effect similar improvements in your product. Literature "O2-3" on these solvents can be obtained upon request.

Soluble Oils—Surprisingly small amounts of Butyl "Carbitol" (b. p. 231.2°C.) are needed as a mutual solvent in soap and oil mixtures. Translucent to clear dispersions are generally formed, in contrast to the usual milky-white emulsions.

Lacquers—Its solvent power, high boiling point (218°C.), and slow evaporation rate make "Carbitol" Acetate useful in surface coatings where slow drying is of primary importance.

Dyestuffs—Better penetration, as well as deeper and brighter shades, explain why "Carbitol" is used as a solvent for dyestuffs in textile printing.

Wetting Agents—When added to colloidal systems, such as detergents and penetrants of limited water solubility, Diethyl "Carbitol" (b.p. 186°C.) permits greater dilution with water without gelling or clouding.

Plasticizers—Esters made from "Carbitol" solvents and dibasic acids are plasticizers with unusually low solubility in both oil and water. For instance, methyl "Carbitol" phthalate, one of the best cellulose acetate plasticizers, is less than 1 per cent soluble in mineral oil.

Textiles—Its low vapor pressure and ability to penetrate textile fibers make "Carbitol" (b. p. 201.9°C.) well suited for setting twist and conditioning yarns and cloth.

Cosmetics—"Carbitol" is incorporated with excellent results in cosmetic emulsions as a softening and moistening agent and a carrier of perfumes. Unlike other hygroscopic agents, it does not cause stickiness.

Printing Inks—The evaporation rate of "Carbitol" Acetate (b. p. 218°C.) is slow enough to prevent gumming on the print rolls, but fast enough for printing operations.

The words "Carbitol" and "Cellosolve" are registered trade-marks of Carbide and Carbon Chemicals Corporation.

CARBIDE AND CARBON CHEMICALS CORPORATION

Unit of Union Carbide and Carbon Corporation

UCC

30 East 42nd Street, New York, N. Y.

PRODUCERS OF SYNTHETIC ORGANIC CHEMICALS

RECEIVED
JAN 9 1939
LIBRARY
THE CHEMISTS' CLUB

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Volume 135 JANUARY 9, 1939 Number 2

Chlorate Production By Government Aimed

OPD Washington Bureau
January 4, 1939

A bill (H. R. 196) providing for government manufacture and distribution of alkali chlorates for control of noxious weeds has been introduced in the house by Representative Walter M. Pierce of Oregon.

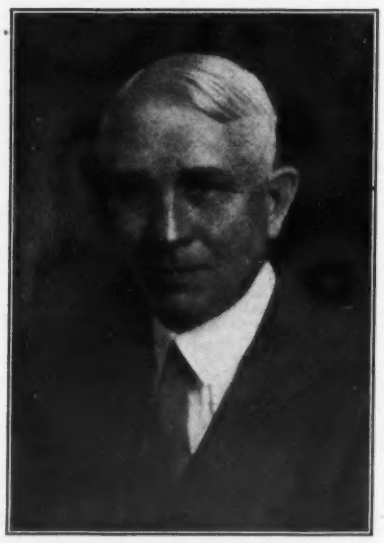
The measure would empower the Secretary of Agriculture to acquire necessary property and facilities now owned by the Federal government in the vicinity of Bonneville Dam, Oregon, and would authorize an appropriation of $750,000 for constructing and equipping an electrochemical plant capable of producing 6,000,000 to 8,000,000 pounds of chlorate of soda a year. An operating fund of $250,000 would be authorized for the fiscal year 1940, with a sum "sufficient to carry out the purposes of this act" provided for each fiscal year thereafter.

Alkali chlorates produced at the plant would be distributed at cost to cooperating States, which are defined as those which provide for financial participation by such States, provide such methods of administration as the Secretary of Agriculture finds to be necessary, and submit such reports as the secretary may from time to time require.

The bill declares it to be the policy of the government to utilize the Bonneville Dam properties as far as may be necessary to improve and cheapen the electrochemical production of alkali chlorates.

Landis Receives Perkin Medal

The Perkin Medal for 1939 was presented January 6 to Dr. Walter S. Landis, vice president of the American Cyanamid Company, this city, at a joint meeting of the American section



Dr. Walter S. Landis

of the Society of Chemical Industry and the American Chemical Society, held in the Chemists' Club, this city. Victor G. Bartram, president of the society, presided over the meeting. Dr. Wallace P. Cohoe, chairman of the American section, opened the program with a commemoration of former medallists. The medal was presented to Dr. Landis by Professor Marston T. Bogert. After the presentation, Dr. Landis gave his medal address entitled "Argon."

Dr. Landis reviewed the factors leading to the development of a process for producing argon. He related how in the Spring of 1914 help was asked on obtaining a supply of argon for the Schenectady laboratory of the General Electric Company. The process then practiced at the American Cyanamid plant at Niagara Falls seemed to offer some hope of assistance,

—Continued on page 25

Denatured Alcohol Formulas Compiled

OPD Washington Bureau
January 4, 1939

A revision of the appendix to alcohol tax regulations No. 3, giving the formulas for completely and specially denatured alcohol, was published today by the Bureau of Internal Revenue.

This is the first revision of the appendix for several years and contains the many changes which have been made in denaturing requirements during that period. Within a single pamphlet are combined all the formulas for completely and specially denatured alcohol currently authorized, specifications for the denaturants listed, and uses to which the various S.D.A. formulas may be put. A novel feature is a codification of the uses of specially denatured alcohol with a number system for ready reference.

Chain-Store Tax Bill Is No. 1 in House

OPD Washington Bureau
January 3, 1939

Representative Wright Patman, of Texas, today reintroduced the chain-store tax bill which he sponsored in the preceding session of Congress.

The new bill is numbered H.R.1, and is identical with the previous measure except that, pursuant to a decision by the house management that introduction of legislation by two or more members jointly is not approved procedure, it does not bear the names of the seventy-four co-authors who jointly sponsored the earlier measure.

The bill provides that an annual excise tax would be paid by every person or organization maintaining ten or more retail stores under the same general management. The tax would be graduated from a figure of $50 a store for each store not in excess of fifteen to $1,000 a store for chains maintaining more than 500 units, and would be multiplied by the number of States in which any stores in a chain are located.

During the first fiscal year in which the tax is in effect, it would be one-half the rate specified, and during the second fiscal year it would be three-fourths of the amount. The additional tax based on the number of States in which the chain operates would also be modified during the first two years, so that only one-fourth of 1 percent of the amount specified would be collected the first year and one-half of 1 percent the second year.

—Continued on page 44

Drug Law Color Regulations Set for Hearing February 6

OPD Washington Bureau
January 6, 1939

Proposed regulations for the certification of coaltar colors for use in foods, drugs, and cosmetics were issued by the Food and Drug Administration of the Department of Agriculture today and a public hearing on them called for February 6 in Washington.

The bulk of the regulations is devoted to specifications for 132 colors which may later be certified under the procedure stipulated in the regulations. Every batch of every color must be certified and the fees will be $15 for a batch of straight dye and $8 for a batch of mixed dyes. If application is made for a new color to be added to the list the manufacturer must submit samples and technical information and pay the cost of research work done by the Department, but no charge will be made for the research work which the Department has already done on dyes submitted for investigation prior to February 6.

The text of the regulations is scheduled to be published in the Federal Register of January 7; copies may be obtained from the Food and Drug Administration.

Present Food Colors Included

In connection with the secretary's official announcement of the hearing, the Department of Agriculture issued the following statement:—

Listed in the proposed regulations are 132 coaltar colors on which interested persons may submit testimony concerning harmlessness and suitability for use. Those who are unable to attend the hearing in person are invited to submit their testimony in affidavit form. The announcement points out, however, that the secretary in the consideration of affidavits will be required to take into account the lack of opportunity for cross examination.

The list of 132 colors proposed includes the fifteen colors which have been certified for food use under the old food and drugs act of 1906. The striking increase in the number of colors proposed is made necessary to meet the needs of drug and cosmetic manufacturers who have heretofore not required certified colors for use in their products.

The list of colors announced is not as comprehensive as manufacturers have requested. It has been impossible in the time available to make adequate investigations of the several hundred proposed. As investigations now under way are completed it is expected that additional colors will be proposed for listing.

A number of colors investigated were not included in the list because toxicological studies indicated that they are not harmless, or because suitable methods of chemical analysis were not available. No color can be listed unless it can be analyzed for purity, food and drug officials explained.

The proposed regulations have been designed to offer consumers the greatest protection possible, within the authority of the statute, against harmful or unsuitable coaltar colors. It is not proposed to certify any color for use in eyelash or eyebrow dyes.

Conditions of Certification

The official announcement of the hearing by the Secretary of Agriculture explained the requirements and conditions in respect of color certification as follows:—

The proposed regulations for the certification of coaltar colors under the Federal food, drug and cosmetic act, announced today for public hearing on February 6, include in section 35.02 lists of 132 coaltar colors. Fifteen of these were on the list of food colors which were certifiable under the old food and drugs act.

The remaining 117 now proposed for certification are primarily for use in drugs and cosmetics. They have been chosen from colors of which samples were submitted by manufacturers in response to notices issued by the Food and Drug Administration on October 6 and November 28, 1938. These notices requested samples and certain information with respect to a large number of colors which had been selected, after consultation with color manufacturers and drug and cosmetic manufacturers as important to the industries and as potentially suitable for certification.

It has been impossible in the time available to arrive at conclusions with respect

—Continued on page 44

Dow Chemical Sends Curtis to Pacific Coast

Russell L. Curtis, assistant general sales manager for the Dow Chemical Company, Midland, Mich., has been transferred to San Francisco and is now a member of the executive personnel there of the affiliated Great Western Electro-Chemical Company, acquisition of which by the Dow company was completed a little more than a week ago.

Mr. Curtis has been connected with the Dow company's sales organization for some sixteen years, and previously was with the American Bromine Company as superintendent. He is a native of Saginaw, Mich., and a graduate of Oberlin College. He is married and has two children.

Another transferring of Dow men will take Clayton S. Shoemaker from New York to Midland, February 1. Mr. Shoemaker has been engaged for about two years in the market development of Dow ethylcellulose, methylcellulose, and plastics based on cellulose derivatives. His going to Midland will be in connection with the creation of a cellulose and plastics department there, in which he will have charge of sales development.

F.D.A. Budget Covers Special Legal Staff

OPD Washington Bureau
January 5, 1939

An appropriation of $2,500,000 for enforcement of the food, drug, and cosmetic act of 1938, which becomes effective June 25, is recommended in the budget for the fiscal year 1940 submitted to Congress by President Roosevelt today. This compares with $1,748,380 appropriated for the enforcement of the present food and drugs act for the current fiscal year.

The budget shows that most of the increased funds will be used for the employment of additional chemists and other technologists and also for the employment of a number of attorneys, which is an innovation since the Food and Drug Administration in the past has had no attorneys on its staff and has depended on the office of the solicitor of the department of Agriculture for its legal work.

Federal Sales Taxes Backed by President

OPD Washington Bureau
January 5, 1939

Indefinite extension of Federal excise taxes scheduled to expire July 1 was recommended by President Roosevelt today in submitting his annual budget. He declared:—

I am recommending the re-enactment of the excise taxes which will expire in June of this year, not because I regard them as ideal components of our tax structure, but because their collection has been perfected; our economy is adjusted to them, and we cannot afford at this time to sacrifice the revenue they represent. If the Congress should at this session adopt new taxes more scientifically planned to care for the defense and agricultural programs, it is quite possible that the existence of these new taxes will enable us in a later year to give consideration to abolishing some of the present excise levies.

The excise taxes are on the sale of gasoline, lubricating oils, toilet preparations, and other articles, and together yielded $416,753,516 during the fiscal year 1938, and are estimated to yield $379,310,000 during the current, or 1939, fiscal year, and $427,220,000 during the 1940 fiscal year if extended by Congress. The chief item is the gasoline tax which yielded $203,648,079 in 1938 and is estimated to yield $192,000,000 in 1939 and $210,500,000 in 1940. The tax on lubricating oils yielded $31,565,020 in 1938, and is estimated to yield $29,800,000 in 1939 and $33,400,000 in 1940. The tax on toilet preparations, which was altered somewhat last year, yielded $16,336,565 in 1938 and is estimated to yield $9,900,000 in 1939 and $11,300,000 in 1940 if continued in its present form.

Closing Market Developments

London Closing Cable

London, Jan. 6, 1939

Carnauba wax was quoted 147s. 6d. per hundredweight; quicksilver, £15 4s., ex warehouse. Shellac stocks totaled 98,212 packages.

Ti Tree Oil Reduced

Prices on Ti tree oil were reduced to the basis of $2.40 per pound in lots of 100 pounds. Smaller quantities ranged $2.50 to $2.90 according to size.

Cottonseed Oil Lower

Refined cottonseed oil futures were weaker on Friday under general selling on fears of a bearish consumption report from the Census Bureau and dullness of trade in cash cottonseed oil. Local traders were credited with sales of oil against purchases of lard. May closed at 7.44c. and July 7.54., showing a decline of about 12 points as compared with the final quotations of the previous Friday.

Blood Advances Again

Showing its fourth advance in three weeks the price of dried blood was increased late last week to a level of $3.35 per unit-ton, f.o.b., New York. This was a 5c. rise over the previously quoted price.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Medicinal Waters:—The Netherland Indian duty on imports for synthetic and medicinal mineral waters has been established at 12 percent ad valorem.

Molasses:—Certain alcohol distillers in Greece are permitted to use up to 40,000 metric tons of imported molasses for the production of any kind of alcohol.

Olive Oil:—A national export mark for olive oil shipped from Portugal has been created by a decree-law. The use of this mark is obligatory on all olive oil containers intended for export.

Pharmaceuticals:—The effective date on which imported medicines, preparations in doses, and pharmaceutical specialities, prepared for retail sale, must bear on each unit a sales price to the public in Egypt has been postponed to April 1, 1939.

Pharmaceutical Samples: — Nicaragua requires that pharmaceutical samples sent to that country for free distribution among professional men must be sent to the Direccion General de Sanidad with a list to whom they are to be distributed.

Rosin:—A resolution of the Argentine Ministry of Finance permits the duty-free importation of rosin for the soap-making industry.

Soda, Caustic:—The general import tax on caustic soda in New Caledonia has been reduced 3 percent ad valorem.

Soybeans:—The Rumanian government has added soybeans and soybean oil to the list of products which may be exported in compensation trade.

U.K. Tariff Bargain Ramifications Shown

OPD Washington Bureau
January 3, 1939

The United States Tariff Commission is issuing a report entitled, "Trade Agreement Between the United States and the United Kingdom." The report, which will be in eight volumes, will contain the principal facts pertaining to the trade agreement, which became effective January 1.

The data will be assembled in accordance with the schedules of the tariff act as indicated below:—

Volume I—Introduction, an analysis of the trade agreement between the United States and the United Kingdom.

Volume II—Schedule 1, chemicals, oils, and paints.

Volume III—Schedule 2, earths, earthenware, and glassware.

Volume IV—Schedule 3, metals and manufactures of.

Volume V—Schedule 4, wood and manufactures of; schedule 14, paper and books.

Volume VI—Schedule 5, sugar, molasses, and manufactures of; schedule 6, tobacco

—*Continued on page* 35

Chemical Prices Lack Interest

Business in heavy and fine chemicals was without particular feature last week, and this condition was reflected in the price records of the markets for these materials. Some prices were advanced; some were reduced; there was but little indication of trend in either movement.

There was some increase in volume; no more than could be expected to follow the holiday slackening; but enough to sustain the general feeling that business was going to keep on getting better.

Prices were advanced on gum rosin, gum turpentine, gum thus, domestic dried blood, and domestic tankage.

Prices were reduced on diacetone, sulphide of zinc, carbonate and chloride of cobalt, imported crude naphthalene, and powdered tungsten.

The REPORTER'S composite index number of prices for heavy and fine chemicals remained at 125.5 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 88.9, compared with 89.9 at this time last year and 89.0 in 1937.

Contents of This Issue

News and Statistics

Antitrust Act Plans Outlined by Arnold 5
Atlantic Research Gives Christmas Party December 23..... 25
Armstrong Cork Absorbs John R. Livezey Company 44
Artificial Leather Industry Had Gain in 1937 48
Consumers Department Proposed for N. Y. 5
Chlorate Production by Government Aimed 3
Chain Store Tax Bill Is No. 1 in House 3
Czech Products Given Revised Tariff Status..... 57
Chemical Awards by U.S. in 1938 Totaled $32,329,230..... 57
Chemical Salesmen's Party Attendance Sets Record..... 25
Coopers Creek Chemical Assets Sold to New Corp. 52
Chemicals Used by Canadian Processors in 1937 Reported 52
Cricket Eradication Plan To Cover Ten States 28
C.S.A. to Meet Jan. 12 28
"Chloro-Phedrine" Denied Registration as Trademark..... 46
Denatured Alcohol Formulas Compiled 3
Dow Chemical Sends Curtis to Pacific Coast 3
Drug Law Color Regulations Set for Hearing February 6..... 3
Disinfectant Trademark Balked by Cough Medicine..... 27
Drug Chain Sales Off 44
Freer Becomes Chairman of F.T.C. 5
F.T.C. Budget Increase Asked..... 5
Federal Sales Taxes Backed by President 3
F.D.A. Budget Covers Special Legal Staff 3
Grinding of Ores and Mineral Data Compiled by B. of M. 50
Industrial Outlook to Be Considered 5
Imperial Chemical Industries Names Executive Managers..... 25
International Nickel Plans to Develop Open Pit Mining..... 25
International Drug Club Forms Overseas Unit 48
I.C.C. Upheld on Warehousing Order 48
Japanese Pyroxylin Plastics Firms to Be Consolidated..... 34
Joyce Optimistic on 1939 35
Ky. Cosmetic Tax Valid in 1936 44
Kettleman Oil Ass'n Wins Suit Against Four Companies 50
Landis Receives Perkin Medal..... 3
Leather Tanning Industry Had Improvement in 1937 28
McK. & R. Trustees Repairing Good-Will 5
McCormick & Co. Holds Annual Sales Conference..... 39
Maryland Poison Sales Regulations Being Drafted..... 46
N.P.V.L.A. Names Hoffman Industrial Sales Head 5
Neoprene Impedes Gases Better Than Rubber..... 34
N.Y. Quinine to Operate on Five-Day Week..... 46
N.Y. Trade Board Elects 48
Oils, Fats Producers Unite for Promotion 4
Okla. Well Spacing Act Upheld by Supreme Court 50
Paint Credit Ass'n Honors Hough at Christmas Party..... 30
Petroleum Production..... 49
Paint Plants to Be Established in North China..... 33
Pope of Phosphate Fame Nominated to TVA 5
Pennsylvania Salt Distributing Pamphlet on Cryolite..... 25
Plastic, Coldwater Paint Calcimine Sales Mixed..... 39
Paint, Varnish, Lacquer Sales Down 34
Phenolic Resin Offered by France, Campbell & Darling..... 34
Petroleum Market Status..... 49
Standards Bureau Publishes Survey on Roofing Materials..... 34
Safety Code Revised..... 58
Shortenings Increased in 1937 35
Socony-Vacuum Oil Elects Four to Board of Directors 50
Tydings Act Repeal Sought in Senate 5
"Tergitol" Price Reduced..... 29
Tanning Materials Industry Improved in 1937 28
U. K. Tariff Bargain Ramifications Shown 4
Viehoever Named Scientific Adviser to Siam 44
'Vitalis' Blocks 'Vit' Mark 44
'Vanity Fair' Name Wins Cosmetic Edifice Contest 48
Wood Preserving Up in 1937..... 27
Wherrett Views 1939 Favorably..... 34
Williams on TNEC 35
Wood Distillations Showed Improvement in 1937..... 46

General Features

Advertisers' Index..... 59
Bids Wanted..... 35
Books You Can Use 52
Chemical Price Trends..... 4
Classified Advertisements..... 58
Closing Market Developments... 4
Contracts Awarded..... 35
Corporation Earnings..... 58
Dividends Declared..... —
Editorials 20
Foreign Trade Openings..... 58
Foreign Trade Rules..... 4
Industrial Uses of Chemicals.... 36
Obituaries 35
OPD Forum..... 4
Prices Current..... 7
Scientific, Professional Services.. 50
Trade News Briefs..... 25, 48
What You Can Use..... 28
Where You Can Sell..... 36

Market Reports

Botanical Drugs, Spices, Gums.. 45
Coaltar Chemicals..... 26
Drugs and Fine Chemicals..... 41
Dyestuffs, Textile and Leather Chemicals 29
Essential Oils and Aromatics.... 47
Fertilizer Materials..... 51
Heavy Chemicals..... 22
Oils, Fats and Waxes..... 37
Paint, Varnish and Lacquer Materials 31
Petroleum Solvents, Lubricants, Fuels 49

Shipping Information

Cargo Ship Arrivals..... 57
Charters 57
Coastwise Shipments..... 57
Exports 55
Imports 53
Imports Detained..... 57

Oil, Paint and Drug Reporter, Volume 135, No. 2, January 9, 1939. Published weekly by Oil, Paint and Drug Publishing Company, Inc., 59 John Street, New York. Annual subscription price:—United States, $5; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter January 15, 1884, at the Post Office at New York, N. Y., under the Act of March 6, 1879.

OPD Forum

An Outlet for Individual Opinion

(Anonymous communications will not be recognized, but publication of a signer's name will be withheld at request.

Tung Oil Lags

To the Editor,
OIL, PAINT AND DRUG REPORTER.
Sir:—

The year just ended has been an unusual one for the drying oils, chiefly because of uncertainties surrounding the supply of chinawood oil, but also reflecting the recession in industrial and construction activity which set in during the third quarter of 1937. After declining at a greater-than-seasonal rate for nine months without interruption, the factory consumption of the two leading drying oils—linseed and chinawood—turned around in the second quarter of last year. The upswing in linseed oil was quite sharp, the increase from the initial quarter being nearly 30 percent and reflecting the improved outlook for sales of paint, varnish, and lacquer to the residential-building outlet.

Factory consumption of chinawood oil showed only the usual seasonal changes during the rest of the year from the very low level of the first three months, the 1938 total being about 87,500,000 pounds, or a drop of 27 percent from the 120,378,145 pounds consumed in 1937. This resulted from the soaring level of prices after June, quotations at New York climbing 75 percent in five months. In the preceding year probably 15,000,000 to 20,000,000 pounds of invisible supplies had been accumulated in the United States, after the outbreak of Oriental hostilities. However, as the year 1938 progressed relative costs favored the purchase of linseed oil, as well as perilla and oiticia oils, synthetic dehydrated castor oil, and other near-substitutes. As this was on a price basis, technological displacement was not shown, although chemical research was stimulated.

Meanwhile, the movement of these latter materials showed increasing gains. The annual apparent disappearance of perilla oil, for example, will be found to total about 15 percent above 1937. Correspondingly, the invisible supply of chinawood oil appears to have dropped sharply in 1938, with apparent disappearance actually down an estimated 41 percent.

In the following table on chinawood oil (including American tung oil from the preceding calendar year's harvest), the difference between total apparent disappearance and factory consumption is made up of (1) direct trade consumption and (2) changes in invisible supply:—

	Pounds	
	*1938.	1937.
Apparent disappearance..	92,500,000	157,200,000
Factory consumption....	87,500,000	120,400,000
Difference	5,000,000	36,800,000

* Estimated.

The sharp decrease in the last figure reflects the accumulation of speculative stocks in 1937 and their utilization in 1938.

—*Continued on page* 39

Oils, Fats Producers Unite for Promotion

OPD Washington Bureau
January 3, 1939

Producers of oils and fats have formed the Domestic Fats and Oils Conference, a national organization designed to "secure proper attention and public recognition" with respect to a condition which is defined in a statement that vegetable oils and other fats are "forgotten items of American political and agricultural economics."

In a tentative program adopted December 28 at a meeting in Memphis the purposes of the organization are stated to include:—

To protect and further the production of domestic fats and oils until it is equal to domestic requirements.

To maintain present excise taxes on imported oils and fats.

To secure proper adjustment of import taxes on oil-bearing materials to make them compensatory with the tax rates on corresponding and competing oils and increased costs of production.

To oppose any attempt to lower the present 3 cent tax on coconut oil made from Philippine products.

Among the interests which are re-

—*Continued on page* 39

McK.&R. Trustee Repairing Good-Will

Stock inventories being underway in the seventy-seven branches and warehouses of McKesson & Robbins to develop a complete picture of the physical and financial assets of the corporation, W. J. Wardall, trustee in reorganization, last week turned his attention to a program designed to reassure the public of the integrity and essential soundness of the services the company and the purity of its products.

During the week, an intensive advertising campaign in newspapers began, advertisements being placed in selected newspapers in sixty-four cities, or wherever there was a McK. & R. wholesale drug house. Advance proofs of this advertisements were sent to thousands of retail druggists with the suggestion that they be put before retail customers. Commenting on the program, Mr. Wardall said:—

This is a demonstration of the fact that the company is carrying on its essential services to the public as it has done for more than a century. Charges against former officers of the corporation have tended to color the public's impression of the whole picture which this advertising aims to correct.

The presentation to the public of the concern's standing and purposes was worded thus:—

This company has been in business 106 years; employs 7,500 people; has 15,000 stockholders; maintains sixty-five drug drug merchandsing branches whose average age is sixty-three years; is staffed by executives who, as managers of local wholesale houses, have established enviable reputations for honesty and integrity; serves retailers in practically every community in the United States with high-grade products of leading manufacturers, as well as quality products of its own manufacture.

Suppliers are continuing to distribute their products through us—retailers are continuing to buy from us—consumers who have used McKesson products through the years are continuing their loyal patronage—our plants and laboratories are continuing to produce merchandise in accordance with the high standards that have been steadfastly maintained for 106 years—our wholesale branches are con-

—*Continued on page* 44

Industrial Outlook To Be Considered

Prospects and purposes of the chemical and related industries with respect to 1939 will be presented and discussed in the "Industry Forum" which the Drug, Chemical and Allied Trades Section of the New York Board of Trade will hold January 17 in the Hotel Astor. The several industries will be represented by the following speakers:—

Cemical, Harry L. Derby, president of the American Cyanamid & Chemical Corporation.

Pharmaceutical, R. D. Keim, vice-president of E. R. Squibb & Sons.

Package medicine, W. Y. Preyer, president of the Vick Chemical Company.

Cosmetic, Edward Plaut, president of the Lehn & Fink Products Corporation.

Wholesale druggists, William J. Schieffelin, jr., president of Schieffelin & Co.

The scheduled commentaries will be devoted mainly to the developing of the following aspects of problems and plans of the future:—

Plans for turning research into "economic adrenalin" that will stimulate the development of new products, boost trade volume, and add substantial numbers to private industry's payroll.

Taking economic recovery and good-will out of the mental testtube stage and building them into actualities through mutual cooperation.

Advertising for the general good.

Trends in legislation and regulations.

The various topics will be opened for general discussion following the commentaries.

The forum will follow a luncheon, which is scheduled for 12:30 p.m.

R.E. Freer Becomes Chairman of F.T.C.

OPD Washington Bureau
January 3, 1939

Commissioner Robert E. Freer, of Ohio, today took office as chairman of the Federal Trade Commission for the calendar year 1939. He succeeded Garland S. Ferguson, who served as chairman during 1938. Under the commission's plan of procedure, the chairmanship rotates annually and a new chairman is chosen by the commission from among its members for each calendar year.

Hoffman Made N.P.V.L.A. Industrial Sales Head

OPD Washington Bureau
January 2, 1939

E. E. Hoffman has been appointed director of the industrial sales division of the National Paint, Varnish and Lacquer Association. He succeeds C. Homer Flynn, who recently resigned to become sales manager for the Paramet Chemical Corporation, Long Island City, L. I.

Mr. Hoffman, who received his collegiate training in mechanical engineering at Columbia University, New York, had been, since 1933, a senior engineer

E. E. Hoffman

with a manufacturer of floor covering, in which capacity he handled such projects as the complete design and construction of buildings, machinery, equipment and facilities for a manufacturing plant in California.

From 1912 to 1917 Mr. Hoffman was assistant engineer with the New York Central Railroad, New York, at first handling statistical data, and later in

—*Continued on page* 30

Pope of Phosphate Fame Nominated to TVA

OPD Washington Bureau
January 5, 1939

President Roosevelt today nominated James P. Pope, former United States Senator from Idaho to be a member of the Tennessee Valley Authority, succeeding Arthur E. Morgan. Senator Pope was chairman of the joint congressional committee investigating phosphate resources, and it is probable that the fertilizer aspect of TVA operations will claim his chief interest as a member of the authority.

The Tennessee Valley Authority is continuing its research work on the production of concentrated phosphate fertilizers, it states in its annual report released this week. During the past fiscal year the authority put into service a third electric furnace for phosphate production and an acid plant of improved design, and produced calcium metaphosphate on a semicommercial scale. The three furnaces produced phosphorus for the metaphos unit and phosphoric acid for 45,759 tons of concentrated superphosphate containing about 43 to 46 percent P_2O_5. From the beginning of its operations to July 1 a total of 127,683 tons of concentrated superphosphate was produced.

The authority continued research work in preventing waste during the mining of phosphate rock, including studies of nodulizing and sintering.

—*Continued on page* 52

Consumers Department Proposed for N.Y. State

Albany, Jan. 4, 1939

Under the provisions of a bill (S. I. No. 17) introduced in the senate by Phelps Phelps, New York, and referred to the judiciary committee, section 2 of article 5 of the State constitution is amended to establish a new State department to be known as the "Consumers Department." A similar proposal failed to pass the constitutional convention last Summer.

The proposed department would seek to stimulate cooperate buying at low cost of foods, drugs, medicines, toilet articles, and the like by the housewife.

Antitrust Act Plans Outlined by Arnold

OPD Washington Bureau
January 5, 1939

A recommendation that appropriations for the enforcement of the antitrust laws be almost doubled was contained in the budget submitted to Congress by President Roosevelt today. The estimate for the Department of Justice for the fiscal year 1940 contains $1,530,000 for the enforcement of antitrust and kindred laws. For the current fiscal year the antitrust division received a regular appropriation of $580,060, which was later increased by $200,000 in a deficiency appropriation recommended by President Roosevelt in his monopoly message.

This budget recommendation comes on the heels of the annual report of Thurman Arnold, the Assistant Attorney-General in charge of the antitrust division, in which he suggests that his division be greatly expanded and permitted to maintain regional offices in close contact with business developments. With adequate funds, Mr. Arnold proposes to institute a large number of antitrust actions with a view of clarifying the laws and maintaining competition where it exists. In this way, he declared, business men would not only know what is permitted and prohibited by the antitrust laws but they would come to consider these laws in connection with all business activities relating to competition.

He also proposed extensive and constructive use of the consent decree system in enforcing the antitrust laws against large concerns and groups of big business units which dominate an industry, and he suggests that in this way consent decrees could be used as a method of giving government approval to a certain degree of regulation of competition made necessary by the requirements of mass production and orderly marketing.

Tydings Act Repeal Sought in Senate

OPD Washington Bureau
January 4, 1939

Senator William H. King of Utah today introduced a bill to repeal the Miller-Tydings resale price-maintenance act. His bill (S 204) would amend section 1 of the Sherman antitrust act to read as it did before the enactment of the Miller-Tydings law.

In his annual report, Thurman Arnold, Assistant Attorney-General in charge of the antitrust division, expressed dissatisfaction with the Miller-Tydings act. He declared that glaring contradictions sometimes arise when different legislative policies apply to the same business situation, and as an example he cited a case where the procurement division of the Treasury Department called for bids on cement in Maryland and all but one of the bids were identical. This one bidder was awarded the contract and as a result was sued for violating the Maryland fair trade act. Mr. Arnold said:—

We are advised that the grand jury refused to indict, but this result falls considerably short of relieving dealers in cement from confusion and apprehension. Dealers cannot make low bids and defend criminal prosecutions at the same time, even if they win. The legislative policies represented by the Miller-Tydings amendment and the Sherman act came to a head-on collision in this case. Legislative reconciliation is necessary.

F.T.C. Budget Increase Asked

OPD Washington Bureau
January 5, 1939

An increase of $130,000 in the appropriation for the Federal Trade Commission is included in the budget estimates submitted to Congress today. The budget calls for $2,264,000 for the 1940 fiscal year, compared with $2,134,000 appropriated for the current fiscal year.

Although the budget calls for the employment of two medical officers to assist in enforcement of the Wheeler-Lea act, there is also a provision that $20,000 shall be available for transfer to the National Bureau of Standards for scientific investigations required by the commission in connection with its enforcement of that act.

Why the Chemist in the Paint Industry

By R.J. Gnaedinger, F.A.I.C.

(Reprinted from The Chemist, official publication of the American Institute of Chemists)

To the chemist who is not intimately familiar with paint and varnish production, this industry seems replete with needs and opportunities for men of his profession. Chemists are obviously needed, for example, in making the vast array of synthetic pigments, and in refining the natural pigments used in paints and enamels. They are needed in the synthesis of resins, such as phenol - formaldehyde, urea - formaldehyde, glycerol-phthalate, and coumarone products. They are likewise needed in the refining and modifying of drying oils, in the solvent field, in drier manufacture, and in newer ventures in antiskinning agents, in wetting agents, and in deodorants.

With the exception, however, of a very few of the largest paint and varnish manufacturers, who have built up "vertical trusts," the production of the preceding list of materials is vested very largely in unrelated companies, classified loosely as "raw material" producers.

The paint and varnish manufacturing industry is therefore essentially a compounding industry, more concerned (unconsciously at times) with physics and colloids than with chemical synthesis. Even in varnish kettling processes, the heat-polymerization of oils is challenged by some as a mere physical agglomeration of oil molecules; and oil-resin reactions are considered as mere physical or colloidal dispersions of the resin in the agglomerated oil matrix. Only a few varnish processes, such as the "running" of copals, and liming and kindred drier-forming reactions, are obviously chemical.

Why, then, should chemists be employed by paint and varnish manufacturers who make neither their pigments nor their resins, their oils nor their thinners? Is it to determine by chemical means the purity or uniformity of their materials of production? In general the answer is no. While incoming materials are usually tested, the tests are almost always physical. Chemical tests in most cases not only take too long, but when finished they frequently fail to assure satisfactory performance of the materials.

Does the chemist in this industry determine satisfactory performance of finished paints and varnishes by means of chemical tests? Again, with a few minor or specialized exceptions, the answer is no. Most of the tests of finished products are highly "practical." Some, such as detailed drying time, or weight per gallon, or percent nonvolatile, or viscosity, or even color, are more properly "physical."

The answer to the query "Why the chemist in the paint and varnish industry?" probably must be sought in these two facts: First, the industry is evolved from an "art" rather than from any fundamental scientific background; second, chemists in industry in general preceded physicists. Scientific thought, procedure, and precision in industry became first associated with the chemist.

The chemist was probably introduced into the paint industry, therefore, to bring general scientific control and guidance to an "art" that had outgrown its swaddling clothes.

With the chemist and his scientific point of view, there came a gradual willingness to try new materials and new processes. Various chemical industries found that they could make or modify products for this new market. And needs of paint and varnish manufacturers were analyzed and specified, so that other new or modified products could be developed to meet them.

The services of the chemist in translating the needs of industrial consumers into understandable paint terms, and then in meeting or bettering the requirements cannot be overestimated. Nor can his part in taking much of the economic guesswork out of the erstwhile art be ignored. The fact that he has not made greater progress in these

—*Continued on page* 30

Oh, Chemist, Spare That Tree!
COMPARATIVELY LITTLE BIRCH NOW GOES TO MAKE SALICYLATES. THE CHEMIST SOLVED THE PROBLEM OF PRODUCING THESE CHEMICALS SYNTHETICALLY SOME TIME AGO. IN DOING SO, HE MADE SALICYLATES AVAILABLE AT A DECIDEDLY LOWER COST.

TOWERING QUALITY
Mallinckrodt Salicylates

EVERY Mallinckrodt Salicylate conforms to U. S. P. or N. F. specifications. Their uniform physical and chemical characteristics minimize production problems in pharmaceutical manufacture and assure uniformity of therapeutic effectiveness in lot after lot of the finished products.

Acid Acetylsalicylic U. S. P.—*Powdered, granulated, and granulated containing starch.*
Acid Salicylic U.S.P.—*Powdered, and needle crystals.*
Ammonium Salicylate U.S.P.—*Crystalline granules.*
Methyl Salicylate U.S.P.—*Clear liquid.*
Salol U.S.P.—*Crystals, and powdered*
Sodium Salicylate U.S.P.—*Crystals, and powdered.*
Strontium Salicylate N. F. VI—*Powdered.*

For Comparison Samples and Mallinckrodt Monthly Chemical Price List Consult St. Louis or New York Office

Mallinckrodt
CHEMICAL WORKS
CHICAGO MONTREAL
PHILADELPHIA TORONTO
2nd and Mallinckrodt Streets, St. Louis, Mo.
70-74 Gold Street, New York, N. Y.

RECEIVED JAN 9 1939 LIBRARY

Current Market Quotations

All matter under this heading fully protected by copyright

When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, 55 & 110 gls., dms., dlvd..lb. .14 - —
5 & 10 gal. dms., dlvd....lb. .16 - —
Acetamide, CP, kgs., 1,000-lb. lots, dlvd..lb. .44 - —
tech., kgs., 1,000-lb. lots, dlvd., lb. .39 - —
Acetanilide, tech., bbls.....lb. .22 - —
95% bbls.....lb. .29 - —
USP, cryst., bbls., 2,000 lb. lots lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25 lb. lots.....lb. .38 - —
kgs., 2,000 lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000 lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25 lb. lots.....lb. .36 - —
kgs., 2,000 lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd. .....lb. .06¼- —
tanks, dlvd. .....lb. .04¾- —
Methyl (see M)
Acetophenone, bots. .....lb. 1.30 - 1.45
cns., 25 lbs. .....lb. 1.15 - 1.35
dms., 100 lbs. .....lb. 1.05 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs. .....lb. 1.02 - —
25 lbs. .....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E of and including Kans., Neb., N.D., Okla., S. D., Texas E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, coml. or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys. .....100 lbs. 2.73 - 2.98
50%, bbls. .....100 lbs. 4.15 - 4.40
cbys. .....100 lbs. 4.65 - 4.90
70%, bbls. .....100 lbs. 5.17 - 5.42
cbys. .....100 lbs. 5.67 - 5.92
80%, bbls. .....100 lbs. 6.89 - 6.14
cbys. .....100 lbs. 6.39 - 6.64
glacial, nat., CP., cbys.100 lbs.14.00 - —
99.5%, bbls .....100 lbs. 7.62 - 7.67
cbys. .....100 lbs. 8.12 - 8.37
USP, bbls. .....100 lbs. 10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
Synth., 90.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys. .....100 lbs. 8.93 - 9.18
USP, al. dms. .....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.23 - 3.53
cbys. .....100 lbs. 3.78 - 4.03
36%, bbls. .....100 lbs. 3.66 - 3.91
cbys. .....100 lbs. 4.16 - 4.41
60%, bbls. .....100 lbs. 6.15 - 6.40
cbys. .....100 lbs. 6.65 - 6.90
80%, bbls. .....100 lbs. 7.68 - 7.93
cbys. .....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dels., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11⅛
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, USP, bbls., 200 lbs..lb. .50 - —
boxes, 25 lbs.....lb. .51 - —
kgs, 100 lbs.....lb. .50 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs...lb. .22 - .25
Ascorbic, bots., dms.....oz. 3.00 - 3.25
Battery, cbys, c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.118.00 -123.00
sks, contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.108.00 -113.00
powd., bbls., contracts, 80 tons, dlvd..ton.111.00 - —
c.l., dlvd.....ton.116.00 - —
l.c.l., ex whse.....ton.123.00 -138.00
sks., contracts, 80 tons, dlvd..ton.101.00 - —
c.l., dlvd.....ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -128.00
USP, $25 per ton higher.
Broenner's, bbls.....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cns.....lb. 5.50 - 5.70
Capric, dms.....lb. .12 - .12⅛
Caprolc, dms., works.....lb. .35 - .40
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .14½- .15
Chinawood oil, dms.....lb. .19½- .20
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., delvd. N.Y..lb. .15½- .17½
Acid, cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .22 - —
cryst., gran., 10,000-lb. lots, one shipt..lb. .22¼- —
smaller lots.....lb. .23 - —
kegs .....lb. .23½- —
anhyd., gran, dms., 10,000 lbs. 1 shipt..lb. .25 - —
smaller lots .....lb. .25½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b., N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls. .....lb. .57 - —
Coconut oil, dist., dms.....lb. .09¼- .09¾
Corn, dist., dms.....lb. .08¼- .08¾
Cottonseed oil, dist., dms....lb. .06¾- .07¼
tanks .....lb. .06¼- —
Cresylic, high-boil, special resin grade, dom., c.l., works, frt. equaled.....gal. .63 - —
l.c.l., same basis.....lb. .64 - —
other grades, dom., c.l., frt. equaled..gal. .58 - —
l.c.l., same basis.....gal. .59 - —
low-boil, dms., c.l., works frt. equaled..gal. .69 - —
l.c.l., same basis.....lb. .71 - —
imported, pale, dms., l.c.l.gal. .62 - .66
dark, dms., l.c.l.....gal. .61 - —
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital))
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l...lb. .10½- —
l.c.l., 25 and over.lb. .11 - —
1-24 .....lb. .11¼- —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l., lb. .1170- .1340
l.c.l., 25 and over.....lb. .1220- .1390
1-24 .....lb. .1270- .1439
Fumaric, bbls.....lb. .75 - —
Gallic, tech., bbls.....lb. .70 - .75
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 - —
single bbls. .....lb. .80 - —
5lb. dms., 25 lbs.....lb. .81 - —
Gamma, bbls. .....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls. .....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.80 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct, cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works...lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .07 - .0750
lead, cbys. .....lb. .09 - .0950
48%, lead cbys.....lb. .1150- .12
52%, lead cbys.....lb. .1250- .13
60%, lead cbys.....lb. .15 - .1550
Hydrofluosilicic, 30-35%, 420 lb. bbls..lb. .09 - .09½
Hypophosphorus, USP, 30%, djns..lb. .75 - —
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11⅛
plastic grade .....lb. .12¼- .12⅝
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13⅛
1 to 4, edible, bbls., cbys., lb. .11½- .12⅛
plastic grade.....lb. .13¼- .14⅛
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22⅛
USP, XI, 85%, cbys.....lb. .43 - .45
USP VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms....lb. .11¾- .12¼
Laurent's, bbls.....lb. .45 - —
Levulinic, 5lb. bots., works.lb. 2.00 - —
Linseed, oil, dark or light, dms..lb. .1100- .1160
extra white, dist., dms....lb. .11¾- .12¼
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l. .....lb. .25 - —
dms., l.c.l. .....lb. .26 - —
Malic powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs...lb. 1.90 - —
smaller lots .....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .15 - .18
Monosulphonic, bbls. .....lb. 1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9, works..100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works..100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
Acid, muriatic, C.P., USP, dealers, cbys..lb. .06½- —
6-lb. bots. .....lb. .18½- —
consumers, cbys. .....lb. .08 - —
6-lb. bots. .....lb. .20 - —
Myristic, dist., dms.....lb. .13¾- .16¼
Naphthenic, acidity, 120-200 dms., c.l..lb. .07 - —
210-230, dms., c.l.....lb. .09 - —
240-280 dms., c.l. .....lb. .10 - —
Sludge, dms., c.l. .....lb. .05 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works..100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works. 100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11¼- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms...lb. .06¼- .06¾
tanks .....lb. .05¾- —
Perilla, dist., dms.....lb. .14 - .14½
Phenylacetic, bots. .....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys. .....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .13 - —
50% s. g., 1347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns..lb. .07 - .07¼
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 - —
cns. .....lb. 1.10 - —
USP, cryst, cns.....lb. 1.45 - 1.60
resubl., cns.....lb. 2.05 - 2.15
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, dms .....lb. .35 - —
tech., bbls.....lb. .13 - —
Salicylic, tech., bbls.....lb. .32 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works..lb. No prices.
tech., bbls., works.....lb. No prices.
Soybean oil, dist., dms.....lb. .06 - .06½
Stearic, distil., double pressed, bgs., dlvd..lb. .10 - .11
single pressed, bgs., dlvd..lb. .09½- .10¼
triple pressed, bgs., dlvd..lb. .12¾- .13¾
saponif., double pressed, bgs., dlvd..lb. .10¼- .11¼
triple pressed, bgs., dlvd..lb. .13 - .14
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots, works.lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....oz. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
C.P., USP., dealers, cbys., lb. .06¼- —
9-lb. bots. .....lb. .16¼- —
consumers, cbys. .....lb. .08 - —
9-lb. bots. .....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.16.00 - —
Tannic, tech., bbls., dms...lb. .40 - .47
USP, fluffy, bbls., 1,000 lb.-100-lb. lots .....lb. .80 - —
25-lb. lots .....lb. .93 - —
powd., bbls., 1,000 lbs....lb. .75 - —
smaller lots .....lb. .80 - —
Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .27¼- —
smaller quantities .....lb. .27¾- —
kgs. .....lb. .28¼- —
Tobias, bbls. .....lb. .65 - —
Trichloroacetic, bots. .....lb. 2.00 - 2.50
Tungstic, CP, kgs., works....lb. 2.60 - 2.95
tech., kgs., works.....lb. 1.65 - 1.75
Aconite, leaves, bls.....lb. .25 - .26
Root, bls. .....lb. .28 - .30
Aconitine, amorph., bots.....oz.17.00 -18.00
vis. .....gr. .06 - .09
cryst., bots. .....oz.30.00 - —
vis. .....gr. .09 - .11
Adeps lanae, anhyd., dms.....lb. .17½- .19
hyd., dms.....lb. .16 - .18
Agar 1, bls.....lb. .90 - .97
3, bls.....lb. .83 - .86
Agaric, white, bls.....lb. 3.00 - 3.20
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld....lb. .13 - —
pow'd, grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis, lb. .18 - —

Acacia—Aloe

Albumen, blood, light, dom., flake, dms., f.o.b. Chicago, frt alld..lb. .52 - .60
import, bgs. .....lb. .52 - .60
Egg, ed., dom., cryst., bbls., lb. .75 - .77
dom., pwd., dms., bbls., lb. .80 - .82
import, cs. .....lb. .75 - —
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .116 - —
l.c.l., frt. alld.....lb. .126 - —
tanks, frt. alld.....lb. .106 - —
Benzyl, cans .....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, dms., c.l., frt. alld..lb. .09½- —
l.c.l., frt. alld.....lb. .10 - —
tanks, frt. alld.....lb. .08½- —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —
tertiary, denating, dms., frt. alld..lb. .14 - —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs. .....lb. 1.70 - —
100 lbs. .....lb. 1.80 - —
25 lbs. .....lb. 1.90 - —
5 lbs. .....lb. 2.00 - —
com'l., dms. .....lb. .95 - —
import, 85%, 100-lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
coml., dms., 350 lbs.....lb. .45 - —
Anhydrous, 2c. per gal. higher.
Cinnamic, bots.....lb. 2.00 - 2.90
Denatured, CD14, dms., c.l., works, E..gal. .32 - —
l.c.l., works, dms.....gal. .34 - —
tanks, E., works.....gal. .24 - —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI, 190 pf., bbls., c.l., E. works..gal. .29 - —
19 bbls., E. works...gal. .31 - —
gal. .34 - —
1 to 18 bbls., E. works. gal. .34 - —
dms., c.l., E. works....gal. .28 - —
19 dms., E. works...gal. .30 - —
1 to 18 dms., E. works, gal. .33 - —
tanks, E. works.....gal. .22 - —
Anhydrous, 2c. per gal. higher.
SD-2B., dms., c.l., works., E. gal. .27 - —
19 dms., works, E....gal. .29 - —
1 to 18 dms., works, E. gal. .32 - —
tanks, E., works.....gal. .21 - —
SD23-G, works, E., dms.gal. .32½- —
19 dms.....gal. .34½- —
1 to 18 dms.....gal. .37½- —
tanks .....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Special solvent, dms., c.l., E., works..gal. .29 - —
20 dms., E. works...gal. .31 - —
1 to 19 dms., E. works, gal. .34 - —
tanks, E. works.....gal. .23 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, contract, dms., c.l., dlvd..lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
cns., works.....lb. .13½- .15½
tanks, dlvd.....lb. .08 - —
tech., contract, dms., c.l., dlvd..lb. .08½- —
l.c.l., dlvd.....lb. .09 - —
cns., works.....lb. .13 - .15
tanks, dlvd.....lb. .07½- —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.55½- —
19 bbls.....gal. 4.57½- —
1 to 18 bbls.....gal. 4.60½- —
dms., c.l.....gal. 4.54½- —
19 dms.....gal. 4.56½- —
1 to 18 dms.....gal. 4.59½- —
tanks .....gal. 4.48½- —
absolute, dms., c.l.....gal. 4.87 - —
19 dms.....gal. 4.89 - —
1 to 18 dms.....gal. 4.92 - —
Grain alcohol 25c. per gal. higher.
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies..lb. .08½- —
l.c.l., same terms.....lb. .09 - —
tanks, same terms.....lb. .07½- —
Isopropyl, refd., 91%, dms., c.l., f.o.b. dest..gal. .33½- —
l.c.l., same basis.....gal. .38½- —
tanks, same basis.....gal. .28½- —
99%, dms., c.l., same terms. gal. .36 - —
l.c.l., same terms....gal. .41 - —
tanks, same terms.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.50 - 3.35
Propyl (see Isopropyl).
Propyl, normal, dms., works, gal. .70 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., dlvd..lb. .20 - —
5 and 10 gal. dms., dlvd...lb. .22 - —
Aletris root, bgs.....lb. .40 - .42
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .11 - .12
Aloe, Barbados, true, cs.....lb. .85 - .90
Cape, cs.....lb. .20 - .22
Curacao, cs.....lb. .42 - .43
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .45 - .50

Do you realize how many

MAN-HOURS OF RESEARCH

are spent in the constant improvement of

N. Y. Q. products?

Hour after hour — day after day — month after month — research is being carried on in the laboratories of N. Y. Q. for the improvement of our products — to assure highest quality and to control manufacture from raw materials into finished substances. That is why so many satisfied customers have confidence in products carrying the N. Y. Q. label.

MANUFACTURERS OF: Bismuth Subcarbonate..Bismuth Subgallate..Bismuth Subnitrate and other Bismuth Salts..Brucine Alkaloid..Brucine Sulfate..All Salts of Cinchona Alkaloids..Codeine Alkaloid..Codeine Phosphate..Codeine Sulfate..Iodine Resublimed..Iodoform..Menthol-Y..Morphine Alkaloid..Morphine Sulfate..Opium Gum (Gran. and Powd.)..Potassium Iodide (Cryst.—Gran.—Powd.) ..Quinine Sulfate and other Quinine Salts..Strychnine Alkaloid..Strychnine Sulfate..Thymol Iodide..

THE NEW YORK QUININE & CHEMICAL WORKS INC.

NYQ

GENERAL OFFICES

99-117 North Eleventh Street, New York, Borough of Brooklyn

ST. LOUIS DEPOT, 915 MARKET STREET, ST. LOUIS, MO.

NYQ

Aloin, 140-lb. bbls.....lb. 2.05 - 2.20
100-lb. kgs.....lb. 2.67 - 2.83
25-lb. fib. dms.....lb. 2.74 - 2.89
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, cube cut, bbls....lb. .30 - .32
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 2.15 - —
dlvd. N.Y. Phila....100 lbs. 2.15 - —
lump, bbls., works....100 lbs. 2.40 - —
dlvd., N.Y., Phila..100 lbs. 2.40 - —
powds., bbls., works...100 lbs. 2.55 - —
dlvd. N. Y., Phila..100 lbs. 2.55 - —
powd., bbls., works....100 lbs. 2.55 - —
dlvd., N. Y., Phila....100 lbs. 2.55 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) dlvd. N.Y. prices apply to truck or ex warehouse, add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point;
Potash, gran., bbls., works.. 100 lbs. 3.40- 3.65
dlvd. N.Y., Phila..100 lbs. 3.40 - —
lump, bbls., works....100 lbs. 3.65 - 3.90
dlvd. N.Y. Phila..100 lbs. 3.65 - —
powd., bbls., works....100 lbs. 3.80 - 4.05
dlvd. N.Y., Phila..100 lbs. 3.80 - —
Potash alum prices on same basis as those for ammonia alum.
Potash-chrome, bbls.....lb. .06¼- .06½
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, 20% normal solut., bbls., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .09 - —
22%, basic solut., bbls., c.l., dlvd..lb. .10 - —
l.c.l., dlvd.....lb. .12 - —
basic powd., bbls., dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .06 - —
12,000 to 40,000 lbs, works..lb. .07 - —
1,100 to 11,000 lbs., works. lb. .08 - —
140 to 875 lbs., works.lb. .09 - —
100 lbs., or less, works.lb. .10 - —
cryst., com'l, dms., c.l., works lb. .06 - —
l.c.l., dms., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Formate, 30% solut., bbls., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls.....lb. .03½- —
bgs., c.l.....lb. .0260- —
light, bbls., dlvd.....lb. .12 - —
Oleate, dms., contr.....lb. .16¾- —
open order.....lb. .17½- .18½
Palmitate, precip., bbls.....lb. .23 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, com'l, bgs., c.l. works, frt. equaled.100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - —
l.c.l., works, frt. equald. 100 lbs. 1.60 - —
iron-free, bgs., c.l., works... 100 lbs. 1.30 - —
l.c.l., works....100 lbs. 1.55 - —
bbls., c.l., works....100 lbs. 1.50 - —
l.c.l., works.....100 lbs. 1.75 - —
Aluminum, 98-99%, c. l.....lb. .20 - —
l.c.l. .....lb. .21 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .65 - —
ink, dms., 1,500 lbs....lb. .75 - —
standard, dms., 1,500 lbs..lb. .45 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs.lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1500 lbs..lb. .42 - —
rubber compound, dms., 1,500 lbs..lb. .40 - —
unpolished, dms., 1,500 lbs.lb. .37 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
standard, dms., 1,500 lbs.lb. .42 - —
Aluminum paste and powder prices for lots smaller than 1,500 lbs. are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for400-1,500 lbs., for partial shipments on contracts, prices are 3c. per lb. higher on lots of less than 200 lbs.; 1c. per lb. higher for 200-400 lbs.; and ½c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. for 50 lbs.; 3c. per lb. for 10 lbs.; 5c. per lb. for 2 lbs.; 8c. per lb. for 1 lb.; and 12c. per lb. for ½ lbs.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz. 17.00 -36.00
Aminopyrine, fib., dms., 100 lbs. lb. 4.00 - —
bots., 5 lbs. .....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms.....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works..lb. .04½- —
refrigeration, tanks, works.. lb. .05 - —
pure, cyls., dlvd., met. N.Y.lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05 - —
dms., c.l. .....lb. .02 - —
l.c.l. .....lb. .02¼- —
tanks (on NH_3 content), f.o.b. S. Chicago or Detroit. lb. .04 - —
grade B (ammonia liquor) tanks (on NH_3 content), f.o.b. Chicago or Detroit..lb. .03¾- —
Benzoate, dms., 4,000 lbs. or more..lb. .40 - .42
1,000 lbs. to 3,900 lbs....lb. .41 - .43
900 lbs. or less.....lb. .42 - .46
kgs., 4,000 lbs. or more....lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .42 - —
Bicarbonate, bbls., c.l., works.. 100 lbs. 5.15 - —
l.c.l., dlvd. N. Y....100 lbs. 5.71 -
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- 15½
Ammonia, borate, bbls., kgs...lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .28 - .30
kgs. .....lb. .30 - —
Carbonate, tech., dom., bbls. lb. .08 - .12½
imported, csks. .....lb. .08 - .12½
USP, lump, dms.....lb. .06 - .17
powd., bbls., dms.....lb. .09 - .25
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225 lb. bbls....lb. .12 - .18
100 lb. kgs. .....lb. .15 - —
Citrate, dms.....lb. .80 - —
ozs. .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide, (see Ammonia, aqua),
Hypophosphite, fib., dms.....lb. 1.10 - 1.17
jars .....lb. 1.20 - —
Iodide, 5-lb. bots.....lb. 3.52 - —
jars .....lb. 3.46 - —
Laurate, bbls .....lb. .24 - —
Linoleate, 80%, anhyd., bbls. lb. .13 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Naphthanate, bbls. .....lb. .18 - —
Nitrate, tech., bgs., c.l., works. 100 lbs. 3.60 - —
l.c.l., works.....100 lbs. 3.85 - —
bbls., c.l., works.....100 lbs. 3.80 - —
l.c.l., works.....100 lbs. 4.05 - —
Oleate, dms. .....lb. .15 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .20
Perchlorate, kegs.....lb. .16 - —
Persulphate, kgs.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .35 - —
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade). 11% N 48% phos- bulk, f.o.b. E. works.. unit-ton. 1.20 & .70
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls. .....lb. .16 - —
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Silicofluoride, imp., 350-lb. bbls., f.o.b. N. Y..lb. .09 - —
5 bbls., same basis.....lb. .08½- —
Stearate, anhydrous .....lb. .23 - —
paste .....lb. .08 - —
Sulphate, dom., bulk, c.l., f.o.b. Jan.-June, 1939 shipt., ton. 28.00 - —
Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.
Sulphide, liquid, 35-45%, basis 100%, dms., works..lb. .12 - .13
tanks, delvd. .....lb. .11 - —
Sulphocyanide, pure, 99-100%, kgs..lb. .55 - .75
Ammoniac, gum (see Gum, ammoniac).
Sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
Sal, white, gran., dom., bbls., contracts, N. Y., l.c.l. 100 lbs. 4.90 - 5.05
import, csks. .....100 lbs. 4.90 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., dlvd..lb. .10½- —
l.c.l., dlvd.....lb. .11 - —
tanks, dlvd.....lb. .09½- —
cns., works.....lb. .15 - .17
ex pentane, dms., frt. alld.lb. .11 - —
l.c.l., frt., alld.....lb. .12 - —
tanks, frt., alld.....lb. .10 - —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .66 - —
mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .077 - —
tanks, works.....lb. .06 - —
Cinnamic aldehyde, cns.....lb. 2.00 - 2.25
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works.lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, bots., 5 lbs.....lb. .81 - —
cns., 25 lbs.....lb. .81 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots. .....lb. 1.00 - 1.05
Angelica root, dom., bls.....lb. .18 - .20
import, natural, bls.....lb. .20 - .22
twisted, bls. .....lb. .29 - .30
Angostura bark, bls.....lb. .30 - .31
Anilin oil, dms., c.l.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .16 - .16½
Star, bgs.....lb. .14½- .15
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .07½- .08
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride)
Chloride, solut., cbys.....lb. .17 - —
Metal, spot .....lb. .11¾- —
Needle, powd., ton lots, bulk, lb. .12½- —
bbls. .....lb. .13½- —
Oxide, bbls., c.l.....lb. .11½- —
l.c.l. .....lb. .12¾- —
Salts, 65%, kgs.....lb. .26 - .27
White, pigment, bgs., c.l., Texas works, frt. alld. to ½c..lb. .11½- .14¼
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, con., bbls.....lb. .21 - .27
double, bbls.....lb. .18 - .20
triple, bbls.....lb. .18 - .20
Areca nuts, powd., bbls.....lb. .11 - .12
Arecoline hydrobromide, bots..oz. 4.35 - 4.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. 32.00 -34.00
Arnica flowers, bls.....lb. .30 - .31
Root, bls. .....lb. .38 - .40
Arrowroot, St. Vincent, powd., bgs..lb. .08 - .08¾
bbls. .....lb. .08½- .09
Arsenic, metal, lump, cs.....lb. .40 - .41
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.35 - —
jars .....lb. 5.20 - —
Red, import, cs.....lb. .15¾- .16¼
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Asafetida, cs. .....lb. .23 - .24
powd., bbls., bxs.....lb. .37 - .38
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton. 30.00 - —
Asbestos fiber, 7D, bgs., c.l. (30 tons), Canad. mines..ton. 25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton. 16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton. 14.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02½- —
smaller lots, f.o.b. N. Y.lb. .03½- —
AA, bgs., 20 tons, f.o.b. N.Y. lb. .03½- —
smaller lots, f.o.b. N. Y..lb. .10½- —
California, dms., c.l., f.o.b. N. Y..ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton. 60.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y. lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton. 32.90 - —
seconds, bgs., c.l., Western shipt. points..ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton. 51.00 - —
Jet., bgs., c.l., Western shipping points..ton. 30.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton. 12.50 -14.00
East Coast, refinery....gal. .06 - .06¼
Ill., Ind., refinery.....gal. .06¼- —
N. Orleans refinery....gal. .06 - —
Atropine, bots. .....oz. 5.25 - 5.80
Sulphate, bots. .....oz. 2.85 - 2.95
ozs. .....oz. 2.75 - 2.80

B

Balm of Gilead buds, bgs.....lb. .20 - .21
Barberry bark, bgs.....lb. .19 - .20
Tree bark, bls.....lb. .09 - .10
Barbital, cs.....lb. 3.25 - 3.30
Barium carbonate, natural, 90%-96%, grd., bgs., c.l., works, ton. 41.00 -43.00
99% thru, 200, mesh bgs., c.l., works..ton. 43.00 -45.00
precip., bgs., c.l., works..ton. 52.50 - —
bbls., works.....ton. 57.50 - —
l.c.l., bgs., works.....ton. 57.50 - —
bbls., works.....ton. 62.50 - —
sulphur-free, bgs., bbls., c.l., works..ton. 57.50 -62.50
Chlorate, kgs.....lb. .16½- .17½
Chloride, C.P., cryst., bbls..lb. .19 - —
dms. .....lb. .20 - —
tech., doms., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton. 77.00 - —
bbls., same basis..ton. 79.00 - —
l.c.l., bgs., same basis. ton. 90.00 - —
bbls., same basis..ton. 92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N. - S. Carolina, Ga., Ala., Miss., Fla..ton. 81.00 - —
bbls., same basis..ton. 83.00 - —
Zone 2, bbls., l.c.l., bgs., same basis..ton. 94.00 - —
bbls., same basis..ton. 96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz..ton. 87.00 - —
bbls., same basis..ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis..ton. 102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton. 83.00 - —
bbls., same basis..ton. 85.00 - —
bbls., l.c.l., same basis, ton. 96.00 - —
bbls., same basis..ton. 98.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. .11½- .12½
Fluosilicate, bbls.....lb. .11½- .12½
Hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04¾- .05¼
Iodide, bots.....lb. 4.45 - 4.50
Monoxide (see Oxide).
Nitrate, cks.....lb. .06¾- .07¼
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton. 23.65 - —
l.c.l., ex whse., Boston, ton. 36.00 - —
Chicago .....ton. 31.15 - —
Cleveland .....ton. 33.50 - —
New York.....ton. 32.00 - —
paper bgs., c.l., St. Louis, ton. 22.85 - —
l.c.l., ex car, Baltimore, ton. 30.70 - —
Boston .....ton. 31.70 - —
Philadelphia .....ton. 30.50 - —
ex whse., Baltimore. ton. 32.10 - —
Boston .....ton. 35.20 - —
Chicago .....ton. 30.35 - —
Cleveland .....ton. 33.00 - —
Detroit .....ton. 33.00 - —
Kansas City .....ton. 30.93 - —
Los Angeles .....ton. 42.00 - —
New York .....ton. 31.50 - —
Philadelphia .....ton. 31.90 - —
San Francisco.....ton. 42.00 - —
Toronto .....ton. 39.50 - —
southern off color, bulk, mines. ton. 12.00 - —
95.75%, bulk, mines....ton. 16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton. 11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. 25.00 -26.00
l.c.l., ex whse.....ton. 30.00 - —
ungrd., bulk, c.l., ex dock, ton. 13.00 -14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton. 29.50 Nom.
l.c.l., ex whse.....ton. 32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....gal. .82½- .90
Bayberry bark, bgs.....lb. .14 - .15

Aloin—Black, Ivory

Belladonna leaves, bls.....lb. .12¼- .14
Root, bls.....lb. .13 - .15
Bentonite, 200 mesh, bgs., Wyo., works..ton. 11.00 - —
325 mesh, bgs., Wyo., works, ton. 16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
tankcars, W. Coast, f.o.b. Minnequa, Colo..gal. .16 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans. lb. .94 - —
dms. .....lb. .89 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 3.00
Berberine bisulphate, cns.....lb. 16.75 - —
Hydrochloride, cns. .....lb. 16.75 - —
Sulphate, cns. .....lb. 16.75 - —
Berberis root, bls.....lb. .14 - .15
Betanaphthol, sublm., bbls....lb. .55 - —
kgs. .....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib., dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .10 - .17
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.85 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns. .....lb. 3.15 - —
Metal, ton lots.....lb. 1.05 - —
Nitrate, cryst., 5-lb. bots...lb. 1.34 - —
cns. .....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs. .....lb. 2.95 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib., dms.....lb. 1.13 - 1.16
Subcarbonate, bots., cns.....lb. 1.62 - 1.88
fib. dms.....lb. 1.53 - 1.56
X-ray, 5-lb. bots.....lb. 2.42 - —
fib. dms.....lb. 2.36 - —
Subgallate, bots., cns.....lb. 1.67 - 1.98
fib. dms.....lb. 1.58 - 1.61
Subiodide, cns.....lb. 3.91 - —
fib., dms.....lb. 3.88 - —
Subnitrate, powd., bots., cns., lb. 1.42 - 1.68
fib. dms.....lb. 1.33 - 1.36
Subsalicylate, 62-66%, bxs...lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. .....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bxs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16¼- —
1, bbls., bgs., c.l., frt. alld. E..lb. .13 - —
l.c.l., frt. alld. E.....lb. .13½- —
2, bbls., bgs., c.l., frt. alld., E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
3, bbls., bgs., l., frt. alld. E. lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
4, bbls., c.l., frt. alld. E...lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .07¼- —
l.c.l., frt. alld. E.....lb. .08 - —
6, bbls., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .06 - —
7, bbls., bgs., c.l., frt. alld E. lb. .09 - —
l.c.l., frt. alld. E.....lb. .09¼- —
8, bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10¼- —
Bone black prices on Pacific Coast are 1c. per lb. higher. ex dock or ex whse.
Carbon, special, 1, bgs., c.l., dlvd..lb. .09¾- .04¾
bgs., ctns., l.c.l., dlvd..lb. .06¾- —
cs., l.c.l., dlvd.....lb. .07½- —
2, bgs., c.l., works.....lb. .05¾- —
l.c.l., dlvd.....lb. .10¼- —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4, bgs., c.l., works.....lb. .27½- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd. .....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd., rail zone A (Gulf ports), for delivery in Nor. Amer. (water freights extra)..lb. .03¾- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0810- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States).lb. .0819- —
30,000 lbs., dlvd., Zone C, Pac. Cst. States.lb. .0835- —
D (Ill., Ia., Wis.)..lb. .03¼- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)...lb. .0841- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .03¾- —
G (Mexico) f.o.b. border, lb. .03 - —
f.o.b. N. Orleans, lb. .029 - —
l.c.l., f.o.b. whse.....lb. .05¾- —
bgs. or ctns. (seller's option), l.c.l., dlvd..lb. .06¼- —
bulk, tanks, same price as bags in each zone.
cs., l.c.l., dlvd.....lb. .07 - —
export, full, compressed, cs., f.a.s., Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .05¼ Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .03¾- —
Ivory, genuine, bbls.....lb. .30 - .35

Black, Lamp—Cinchonine

Black, lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .13 - —
3, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .19 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .26 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .36 - —
Import, 1, bbls., c.l., f.o.b., N.Y..lb. .06 - —
l.c.l., t.o.b., N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b., N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6 bbls., c.l., f.o.b. N.Y....lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .26 - —
Vine, A. bbls., works or N. Y., lb. .04½- —
B, bbls., works or N. Y....lb. .06½- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .21 - .22
Tree bark, bls.....lb. .13 - .14
Black Indian hemp root, bls...lb. .16 - .18
Blanc fixe, dry, by-product, bgs., c.l..ton.55.00 - —
l.c.l. .....ton.60.00 - —
high grade precip., bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp 66⅔%, bulk, c.l., works, ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.35
l.c.l., works.....100 lbs. 2.25 - 2.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.30 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 3.60 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 3.00 - 3.10
soluble (see Albumen, blood)
Bloodroot, bls. .....lb. .11½- .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —

Alkali blue toner prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Bronze, bbls., same basis, alkali toner contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, dom., bbls., same basis alkali toner, contracts..lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
soluble, bbls., same basis alkali toner, contracts. lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry, jobbing, bbls., works, frt. equaled..lb. .11 - —
regular, 1, bbls., works, frt. equaled..lb. .16 - —
2, bbls. same basis.....lb. .18 - —
3, bbls., same basis....lb. .19 - —
4, bbls., same basis....lb. .20 - —
5, bbls., same basis....lb. .22 - —
6, cobalt, A, bbls., same basis..lb. .27 - —
B, bbls., same basis..lb. .24 - —
C, bbls., same basis.lb. .23 - —
D, bbls., same basis.lb. .22 - —
7, A, bbls., same basis.lb. .28 - —
B, bbls., same basis..lb. .29 - —
special, 1, bbls., same basis. lb. .19 - —
2, bbls., same basis....lb. .20 - —
3, bbls., same basis....lb. .22 - —
4, bbls., same basis....lb. .23 - —
5, bbls., same basis....lb. .25 - —
6, bbls., same basis....lb. .27 - —
pulp, 1, bbls., same basis..lb. .27 - —
2, bbls, same basis.....lb. .25 - —
3, bbls., same basis.....lb. .23 - —
4, bbls., same basis.....lb. .20 - —
Ultramarine, blue, dlvd., ex whse., 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 25-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.65 - —
Blue dyes are listed under Dyes.
Bluefag root, bls.....lb. .15 - .16
Blue mass, USP., cns., kgs..lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 4.50 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.65 - —
6-15 bbls., same basis. 100 lbs. 4.75 - —
1-5 bbls., same basis..... 100 lbs. 5.00 - —
Monohydrated, dms., c.l., dealer, f.o.b. works..100 lbs. 9.00 - 9.25
l.c.l. dealers.....100 lbs.10.00 -10.25
Bluestone (see Blue vitriol).
Bone, raw, dom., 4¼% ammon., 50% phos., bgs., f.o.b. Chicago..ton.28.00 -29.00
c.i.f. Atlantic ports.....ton.27.00 - —
import, bgs., c.i.f., ports.ton.26.50 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.24.00 -26.00
import, 100-lb. bgs., c.i.f. ports, shipt..ton.22.50 - —
phosphate, precip., see Calcium phosphate dibasic, precip.).
steamed, dom., 1½% ammon. 60% phos., bgs., f.o.b. Chicago..ton.19.00 -21.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.20.75 - —
Boneset leaves, bales.....lb. .07 - .08
Borage flowers, bls.....lb. .19 - .20
Borax, tech., 99¼%, cryst., bbls., contracts, 80 tons min., dlvd..tons.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..tons.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min. dlvd..ton.53.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.43.00 - —
l.c.l., ex whse...ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., dlvd..ton.56.00 - —
l.c.l., ex whse.....ton.69.00 -74.00
sks., contracts, 80 tons min. dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. .....lb. 1.75 - 2.00
cns. .....lb. 1.50 - —
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.25 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .60
moulding, cns., dms., over 10 lbs..lb. .65 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls. .....lb. .10 - .11
Brown, iron oxide, pure precip., dks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, bbls., works.....lb. .02½- —
paper bags, c.l., works.....lb. .0210- —
Sienna, burnt, American, bbls., works...lb. .08 - —
Italian, Group 1, bbls., f.o.b. N. Y. or Pa. points..lb. .12½- —
Group 2, bbls., same basis, lb. .11½- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .09½- —
5, bbls., same basis...lb. .08½- —
6, bbls., same basis...lb. .08¼- —
7, bbls., same basis...lb. .08 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07¼- —
10, bbls., same basis..lb. .06½- —
11, bbls., same basis..lb. .06¼- —
12, bbls., same basis..lb. .06¼- —
13, bbls., same basis..lb. .06 - —
14, bbls., same basis..lb. .05¼- —
raw, American, bbls., works, lb. .03½- —
Italian, Group 1, bbls., f.o.b., N. Y. or works..lb. .12½- —
Group 2, bbls., same basis, lb. .10½- —
3, bbls., same basis...lb. .11 - —
4, bbls., same basis...lb. .09½- —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08¼- —
7, bbls., same basis...lb. .07½- —
8, bbls., same basis...lb. .07¼- —
9, bbls., same basis...lb. .06½- —
10, bbls., same basis..lb. .06 - —
11, bbls., same basis..lb. .05 - —
Umber, American, bbls., works, lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N. Y..lb. .04 - —
St. Louis.....lb. .04½- —
ex car Los Angeles...lb. .04½- —
ex dock, Portland, San Francisco, Seattle..lb. .04½- —
ex whse., Boston....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04½- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04½- —
Minneapolis .....lb. .04½- —
Pittsburgh .....lb. .04½- —
Vandyke, bbls., l.c.l.....lb. .05½- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .34 - .35
Buckthorn bark, true, bls.....lb. .05 - .05½
Berries, bgs. .....lb. .17 - .18
Burdock root, bls. .....lb. .10 - .10½
Burgundy pitch, dom., bbls...lb. .03½- .03¾
Butanes, coml., 16-34°, tanks, group 3..gal. .03¾- —
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., dms., c.l., contract, frt. alld..lb. .09½- —
l.c.l., contract, frt.alld..lb. .10 - —
tanks, contract, frt. alld..lb. .08½- —
secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .22 - —
Crotonate, normal, 55 & 110 gal. dms., dlvd....lb. .32 - —
5 & 10 gal. dms., dlvd....lb. .36 - —
Ether (see under Ether).
Lactate, dms. .....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms. .....lb. .26 - —
Butyric ether, bots.....gal. 5.60 - 6.00
cns., works .....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.61 - —
single jars.....lb. 1.66 - —
5-lb. bots.....lb. 1.80 - —
Iodide, 5-lb. bots.....lb. 4.01 - —
25-lb. cns.....lb. 3.87 - —
Lithopone (see Yellow)
Metal, cs.....lb. .85 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs., or more..lb. 2.23 - —
2,000 lbs., or more.....lb. 2.28 - —
1,000 lbs., or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
Caffeine, 10-lb. cans., 10,000 lbs. or more..lb. 2.25 - —
2,000 lbs., or more.....lb. 2.30 - —
1,000 lbs., or more.....lb. 2.35 - —
100 lbs.....lb. 2.45 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cns., 25 lbs., or more.lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.90 - 2.10
Hydrobromine, bots.....lb. 4.01 - 4.09
Calabar beans, bgs.....lb. .25 - .30
Calamus root, bleached, cs....lb. .39 - .40
peeled, bls.....lb. .12 - .14
Calcium acetate, bgs., dlvd. 100 lbs. 1.65 - —
Arsenate, bgs., c.l., dealers, E. of Rockies..lb. .06¾- .07¼
W. of Rockies, bgs., dms., lb. .06½- .06¾
Southern cotton states, bgs., lb. .06½- .07
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms.....lb. .05 Nom.
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-80%, bgs., dms., c.l., dlvd..ton.22.00 -25.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.70 - 2.25
liquor, basis 40%, tanks, works ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.20.00 -23.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.60 - 2.25
Gluconate, U.S.P., gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .62 - .65
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Hypophosphite, cns. .....lb. .62 - .67
Iodide, bots., jars.....lb. 3.85 - 3.90
Lactate, U.S.P., bbls., 200 lbs.lb. .23 - —
Levulinate, bots., less than 25 lbs., works..lb. 3.00 - —
Nitrate, bgs., to fert. mfrs., ex vessel, No. Atlantic ports, or f.o.b. cars, So. Atlantic ports ton.28.00 -
Palmitate, bbls. .....lb. .22 - .25
Phosphate, dibasic, precip., 38-42% P_2O_5, bgs., c.i.f., Atlantic ports, shipt..unit-ton. .80 - —
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots .....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., wks..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works. 100 lbs..lb. .85 - —
Sulphocarbolate, bbls.,200 lbs.lb. .45 - —
kgs.. 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .30 - .35
Calomel, bbls., fib., dms., kgs., 50 lbs., or more..lb. 1.36 - —
Camphor, natural, powd., cs...lb. .50 - .51
slabs, cs.....lb. .50 - .51
tablets, tins.....lb. .56 - .57
synthetic, dom., imp., gran., powd., bbls., 2,000-lb. lots, lb. .46 - —
1,000-lb. lots.....lb. .47 - —
500-lb. lots.....lb. .48 - —
100-lb. lots.....lb. .49 - —
Monobromate, bxs., kgs.....lb. 1.75 - 1.80
Canada balsam (see Fir balsam).
Canary seed, Argentina, bgs...lb. .0375- .0410
Morocco, bgs.....lb. .0425- .0450
Turkish, bgs.....lb. .0390- .0415
Canella alba bark, bls.....lb. .29 - .30
Cantharides, Chinese, cs.....lb. .65 - .70
powd., bxs.....lb. .80 - .85
Russian, cs.....lb. .92 - .93
powd., bxs. .....lb. 1.10 - 1.15
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .06¾- .07¼
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
95%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
secondary, dms., works...lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Methylpropyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works.lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .06 - —
l.c.l., same basis.....lb. .06¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
tanks, same basis.....lb. .04½- —
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½ gal. dms., c.l...gal. .66½- —
l.c.l. .....gal. .73 - —
5-10 gal., dms., c.l.....gal. .90 - —
l.c.l. .....gal. 1.00 - —
Zone 2, 52½ gal. dms., c.l., gal. .73 - —
l.c.l. .....gal. .80 - —
5-10 gal. dms., c.l.....gal. .97 - —
l.c.l. .....gal. 1.07 - —
Zone, 3, 52½ gal. dms., c.l., gal. .80 - —
l.c.l. .....gal. .86 - —
5-10 gal. dms., c.l.....gal. 1.03 - —
l.c.l. .....gal. 1.13 - —
Zone 4, 52½ gal. dms., c.l., gal. .83 - —
l.c.l. .....gal. .90 - —
5-10 gal. dms., c.l.....gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
tanks .....lb. .04¾- —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4 in which case the prices indicated are based on f.o.b. cars, L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2, includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3, includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M., and Texas. Zone 4, includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.00 - 1.50
decorticated, cs.....lb. .83 - .85
green, bgs.....lb. .53 - .54
Carvol, bots. .....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .11 - .12
Case-hardening mixture, 30%, lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .08½- .09
5 tons, works.....lb. .10 - —
smaller lots, works.....lb. .11 - —
80-100 mesh, bgs., c.l., dlvd., lb. .09 - .09½
5 tons, works.....lb. .10½- —
smaller lots, works.....lb. .11½- —
Import, Argent., 20-30 mesh, bgs., c.l., duty paid..lb. .09½- —
80-100 mesh, bgs., c.l., duty paid..lb. .10 - —
French, 30 mesh, bgs., c.l., duty pd..lb. .17 Nom.
Cassia, Batavia, 1, bgs.....lb. .15¼- .15¾
broken, bls.....lb. .09½- .10
shortstick, bls.....lb. .11½- .11¾
China, rolls, select, bls.....lb. .14 - .14½
broken, extra, bls.....lb. .08½- .08¾
Saigon, bls.....lb. .15 - .15½
Cassia, buds, cs.....lb. .15 - .16
Cassia fistula, bskts.....lb. .08 - .09
Castile soap, white, bars, cs., 40 lbs.11.75 -12.50
powd., bbls.....lb. .26 - .35
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5% ammon., bgs., c.l., works..ton.18.50 - —
import, bgs., c.i.f., ports, shipment..ton.20.00 - —
Catnep leaves, bls.....lb. .17 - .18
Celery seed, French, bgs.....lb. .13¼- .13½
Indian, bgs.....lb. .11¼- .11¾
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, gran., cs., frt. alld..lb. .36 - —
Acetobutyrate, 501 lbs. and over, works..lb. .52 - —
101 lbs., works.....lb. .53 - —
smaller lots, works.....lb. .55 - —
Acetopropionate, 500 lbs., and over, works..lb. .57 - —
100-499 lbs., works.....lb. .58 - —
1-99 lbs., works.....lb. .60 - —
Triacetate, frt. alld.....lb. .42 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works .....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03½- —
Chamomile flowers, Hungarian, genuine, cs..lb. .21 - .26
Roman, bls.....lb. .28 - .32
Charcoal, softwood, powd., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Colo. .....ton.27.00 - —
Conn., Me., Mass., N. H., R. I., Vt....ton.30.80 - —
Ill. (except river point), Minn., Neb., Wis..ton.25.00 - —
Indiana .....ton.26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)..ton.23.00 - —
Kansas, El Paso, Tex., ton.24.00 - —
Michigan .....ton.27.80 - —
Ohio, Penn. .....ton.29.80 - —
Utah .....ton.34.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., wks..lb. .02 - —
l.c.l., bbls., wks.....lb. .02½- —
tanks, wks.....lb. .01⅝- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
Import, white, lump, bulk, c.l., ex dock, Balto, Boston, Norfolk, Phila..ton.22.00 -25.00
powd., csks., l.c.l., ex dock. ton.35.00 - —
ex whse. .....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs., lb. .88 - .92
500 lbs.....lb. .86 - .96
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.02
dms., 1,000 lbs.....lb. .80 - —
500 lbs.....lb. .83 - —
100 lbs.....lb. .85 - —
Chlorinated rubber, bgs., c.l. (30.-000 lbs. min.) works.....lb. .35 - —
2,000 lbs., works.....lb. .37 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05½- —
contracts, dlvd., N.Y....lb. .05½- —
l.c.l., dlvd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equalled..100 lbs. 2.00 - —
multiple unit, 3 or over, wks., frt. equald., 100 lbs. 2.15 - —
2, works, frt. equaled..100 lbs. 2.40 - —
1, works, frt. equaled..100 lbs. 2.85 - —
Chloracetophenone, tins, works.lb. 3.00 - 3.60
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
Chloropicrin, coml, 100-lb. cyls., works..lb. .85 - —
5-lb. cycls., same basis..lb. 1.15 - —
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .13 - —
smaller pkgs., works....lb. .17 - —
solut., 8% cs., bbls.....lb. .05 - .06
Chreme, cake, bulk, c.l., works. ton.14.00 -15.00
Chrome green (see Green, chrome).
Oxide (see Green, chrome oxide).
Sulphate, pearls, dms..100 lbs. lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, cns.....lb. 3.25 - 3.30
Cinchona bark, chips, bgs.....lb. .18 - .19
high test, bgs.....lb. .37 - .38
quills, broken, bgs.....lb. .17 - .18
long, cs. .....lb. .45 - .50
short, bgs. .....lb. .40 - .45
Ecuador, tubes.....lb. .18 - .20
Cinchonidine, crys., small cns., 100 ozs..oz. .82 - —
large, cns.....100 ozs. .87 - —
powd, cns.....100 ozs..oz. .80 - —
Sulphate, N.F., cns.100 ozs..oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns.100 ozs..oz. .84 - —

Cinchophen, USP, boxes, 5 lbs.,	lb.	3.75	- -
bots., 1 lb.	lb.	3.27	- -
dms., 100 lbs.	lb.	3.00	- -
Cinnamic alcohol (see Alcohol cinnamic).			
Aldehyde, f.c.c., cbys.	lb.	.85	- .90
Cinnamon, Ceylon, 2 bls.	lb.	.15½	- .15¾
3 bls.	lb.	.14¾	- .15¼
Citral, bots., cns.	lb.	1.40	- 3.10
Citrine ointment, jars, tubes.	lb.	.75	- —
Citronellal, bots., dms.	lb.	.75	- .80
Citronellol, bots., dms.	lb.	1.60	- 1.65
Clove, Madagascar, bls.	lb.	.19	- .19½
Zanzibar, bls.	lb.	.18	Nom.
Clover tops, bgs.	lb.	.12	- .13
Coaltar, coal-gas, crude, bbls., c.l., works.	bbl.	7.50	- 7.75
l.c.l., works	bbl.	8.25	- 8.50
tanks works	gal.	.07½	- .09
Coaltar, refd., bbls., c.l., works.	bbl.	8.00	- 8.25
l.c.l., works	bbl.	8.75	- 9.00
tanks, works	gal.	.08½	- .10
water-gas, crude, dms., c.l., works.	dm.	7.50	- —
l.c.l., works	dm.	8.25	- —
refd., dms., c.l., works	dm.	8.00	- —
l.c.l., works	dm.	8.75	- —
Cobalt acetate, bbls., kgs., dlvd.	lb.	.65	- .67
Carbonate, pwd., bgs., wks.,	lb.	1.25	- 1.60
Chloride, kgs., wks.	lb.	.80	- 1.20
Hydrate, bbls.	lb.	1.72	- —
Linoleate, paste, 6%, dms.	lb.	.81	- —
solid, 8½%, bbls.	lb.	.83	- —
Oleate, bbls.	lb.	.25	Nom.
Oxide, black, kgs.	lb.	1.67	- —
Resinate, fused, A, bbls.	lb.	.13½	- —
1%, bbls.	lb.	.13	- —
2%, bbls.	lb.	.14	- —
3½%, bbls.	lb.	.17½	- —
precip., dms., dlvd.	lb.	.84	- —
Sulphate, dms.	lb.	[illegible]	

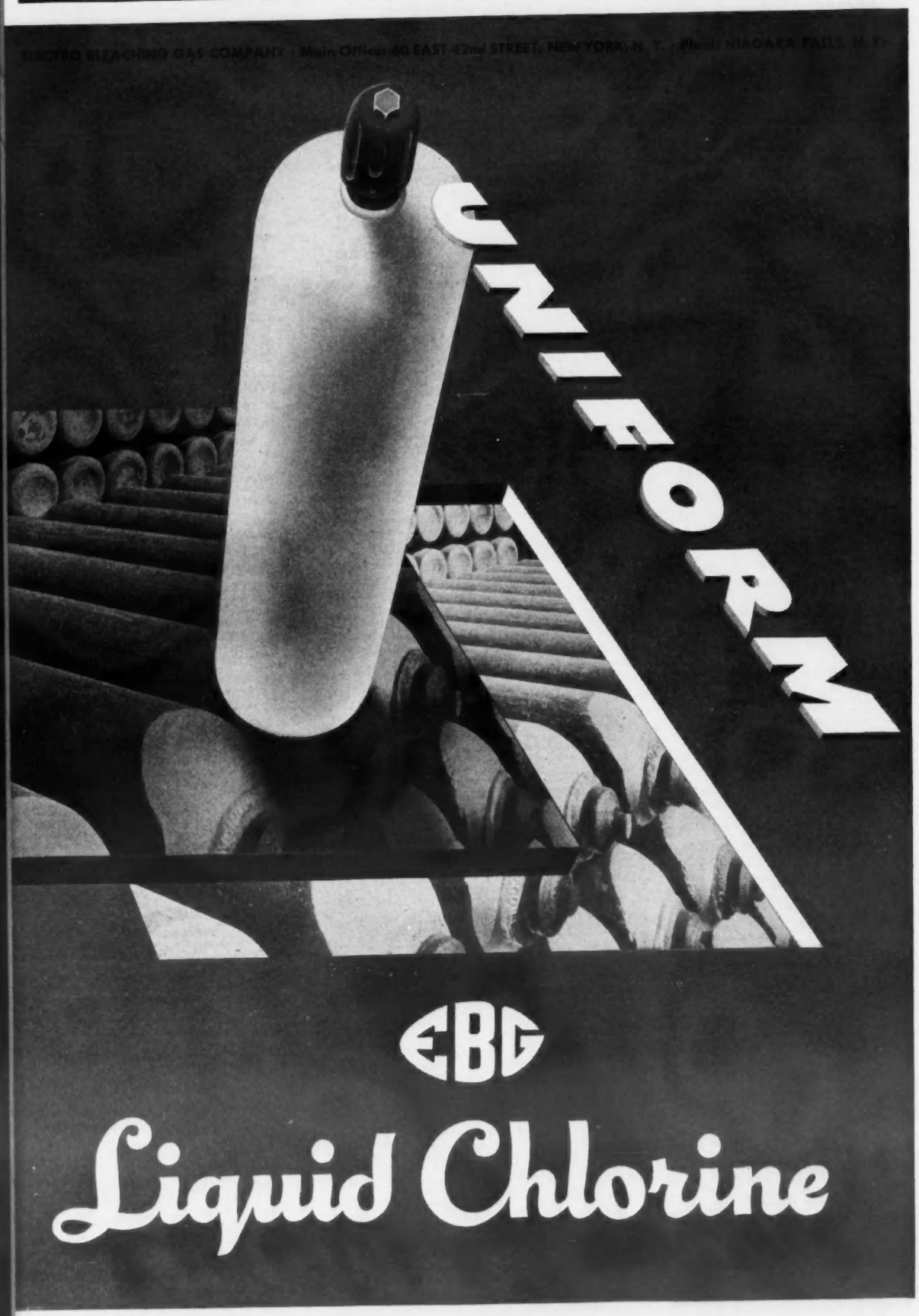
Cocaine hydrochloride, 100 ozs.,	ozs.	9.75	- —
Cochineal, gray, bgs.	lb.	.35	- .36
Teneriffe, silver, bgs.	lb.	.36	- .39
Cocillana bark, bgs.	lb.	.15	- .16
Cocoa butter, lump, bgs., c.l.	lb.	.11¾	- .13
Codeine, cns., 100 ozs.	oz.	11.70	- —
Hydrochloride, cns., 100 ozs.	ozs.	10.50	- —
Phosphate, cns., 100 ozs.	ozs.	9.00	- —
Sulphate, cns., 100 ozs.	oz.	9.50	- —
Codliver oil (see Oil, codliver).			
Cohosh, black, root, bls.	lb.	.08	- .09
Blue, root, bls.	lb.	.07	- .07½
Colchicine, bots., 4 ozs.	oz.	20.00	- —
single ozs.	oz.	21.00	- —
Colchicum seed, bgs.	lb.	.24	- .25
Collodion, USP, dms., 325 lbs.	lb.	.12½	-
cns., 25 lbs.	lb.	.16	-
Flexible, USP, dms., 325 lbs.	lb.	.14¼	-
cns., 25 lbs.	lb.	.18	-
Colocynth pulp, bls.	lb.	.25	-
Colombo root, bls.	lb.	.07½	- .08
Coltsfoot leaves, bgs.	lb.	.08	- .09
Condurango bark, bgs.	lb.	.08	- .09
Conium leaves, bls.	lb.	.17	- .18
Copaiba balsam, Para, cns.	lb.	.22½	- .23
S.A., USP, cns.	lb.	.23½	- .24
Copper acetate, normal, bbls., dlvd.	lb.	.21	- —
smaller containers, dlvd.	lb.	.23	- —
Carbonate, 52-54 pc., bbls.	lb.	.14½	- .15¼
20%, bbls.	lb.	.10¼	- .11¾
Chloride, cryst., bbls.	lb.	.13	- .14
Cyanide, tech., bbls.	lb.	.34	- —
Iodide, bots.	lb.	4.97	- 5.02
Metal, electrolytic	lb.	.11¼	- —
Nitrate, cryst., bbls.	lb.	.1660	- .1740
Oleate, precip., bbls.	lb.	.20	
Oxide, black, bbls., tons, works.	lb.	.16¾	- .17¾
red, com'l, 50-75%, kgs., f.o.b. N. Y.	lb.	.16¾	- .17¾

Copper, resinate, precip., bbls.	lb.	.15	- .16
Stearate, precip., bbls.	lb.	.33	- .34
Sulphate (see Blue vitriol).			
Copperas, cryst., gran., bgs., c.l., works.	ton.	17.00	- —
bbls., c.l., works	ton.	19.00	- —
bbls., l.c.l., 25 or over, works.	100 lbs.	1.45	- —
5-24, works	100 lbs.	1.55	- —
1-4, works	100 lbs.	2.00	- —
bulk, c.l., works	ton.	14.00	- —
Copra, Coast, shipt.	lb.	.0170	Nom.
Coriander seed, Morocco, bgs.	lb.	.0435	- .0460
bleached, bgs.	lb.	.07¾	- .08
Corn sugar, tanners, bbls., c.l., dlvd.	100 lbs.	3.05	- 3.13
ex whse.	100 lbs.	3.15	- 3.23
Syrup, 42°, bbls., c.l.	100 lbs.	3.12	- —
43°, bbls., c.l.	100 lbs.	3.17	- —
Cornsilk, bls.	lb.	.06	- .07
Corrosive sublimate, cryst., dms., 50 lbs., or more.	lb.	1.20	- —
gran., powd., dms., 50 lbs. or more.	lb.	1.05	- —
Cottonroot bark, bls.	lb.	.11	- .12
Cottonseed hull ash, 30-32% pot-ash, bgs., dlvd.	unit-ton.	1.10	- —
Coumarin, 5 lbs., or more, 25-lb. cns.	lb.	2.75	- 3.00
5-lb. cns.	lb.	2.85	- 3.10
1-lb. cns.	lb.	3.00	- 3.25
1-oz. cns.	lb.	3.35	- 3.60
less than 5 lbs., cns.	lb.	4.15	- 4.65
Cramp, bark, genuine, bls.	lb.	.20	- .22
so-called, bls.	lb.	.07	- .08
Cranesbill root, bls.	lb.	.14	- .15
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't,	lb.	.22¾	- —
smaller lots, bbls.	lb.	.23¼	- —
kgs.	lb.	.23¾	- —

Creosote, beechwood, bots.	lb.	.70	- .75
Hardwood, USP, bots.	lb.	.45	- .47
Pine, dms.	gal.	.28	- —
Carbonate, bots., cbys.	lb.	1.40	- 1.75
Oil, crude, tanks, works.	gal.	.13½	- .14½
Coaltar, solution, tanks, works,	gal.	.122	- .132
refd., bbls., l.c.l., works,	gal.	.25	- —
tanks, works	gal.	.18	- .18½
Cresol, USP, dms., c.l., works.	lb.	.10	- —
l.c.l., same basis	lb.	.10½	- —
special resin grade, dms., c.l., works.	lb.	.09	- —
l.c.l., same basis	lb.	.09½	- —
Crotonaldehyde, 97%, 55 and 110 gal. dms., dlvd.	lb.	.22	- —
5 and 10 gal. dms., dlvd.	lb.	.25	- —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more.	lb.	.24	- .25
2,000 lbs. to 10,000 lbs.	lb.	.25	- .26
1,000 lbs. to 2,000 lbs.	lb.	.26	- .27
200 lbs. to 1,000 lbs.	lb.	.27	- .28
4% rotenone prices are 4c. per lb. less.			
Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.			
Cubeb berries, XX, bgs.	lb.	.28	- .30
powd., cs.	lb.	.30	- .31
Culver's root, bls.	lb.	.16	- .17
Cumin seed, Algerian, bgs.	lb.	.08	- .08½
Morocco, bgs.	lb.	No stocks.	
Culver's root, bls.	lb.	.13	- .14
Cutch, Philippine, extract, solid bags.	lb.	.04¼	- .04½
Cyanamid, 21-22% N., pulv., bgs., dlvd., contrs., NH_3 unit.	lb.	1.15	- —
Cyanide-chloride, mixture, 45%, gran., dms.	lb.	.10¾	- —
lump, dms.	lb.	.09¾	- —
75%, gran., dms.	lb.	.15	- —

D

Damiana leaves, bls.	lb.	.14	- .15
Dandelion root, German, bls.	lb.	.13	- .14
Deertongue leaves, bls.	lb.	.10	- .11
Degras, common, dom., bbls.	lb.	.07¾	- .08¼
English, bbls.	lb.	.07¾	- .08¼
neutral, dom., bbls.	lb.	.11	- 15
English, bbls.	lb.	.11	- .15
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more.	lb.	.24	- .25
2,000 lbs., to 10,000 lbs.	lb.	.26	- .30
1,000 lbs. to 2,000 lbs.	lb.	.28	- .32
200 lbs. to 1,000 lbs.	lb.	.30	- .34
4% rotenone prices are 6c. per lb. less.			
Derris root, powd., contracts give no protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.			
Derris, resinate, 75% rotenone, cns.	lb.	10.00	-11.00
30% rotenone, cns.	lb.	5.50	- 6.50
25% rotenone, bulk, cns.	lb.	3.60	- 6.00
15% rotenone, bulk, cns.	lb.	2.10	- 4.25
Devil's club, root bark.	lb.	1.50	- —
Dextrin, British gum, c.l., f.o.b. Chicago	100 lbs.	3.65	- —
l.c.l., f.o.b. Chicago	100 lbs.	3.85	- —
Corn, canary, bgs., c.l., f.o.b., Chicago	100 lbs.	3.40	- —
l.c.l., f.o.b. Chicago	100 lbs.	3.60	- —
white, bgs., c.l., f.o.b. Chicago	100 lbs.	3.35	- —
l.c.l., f.o.b. Chicago	100 lbs.	3.55	- —
Potato, import, bgs.	lb.	.07¼	- .08
Diacetone (see under Alcohol).			
Diamyl ether, dms., c.l., works,	lb.	.085	- —
l.c.l., works	lb.	.092	- —
tanks, works	lb.	.075	- —
Oxalate, dms., l.c.l., works.	lb.	.30	- —
Phthalate, dms., c.l., dlvd.	lb.	.19	- —
l.c.l., dlvd.	lb.	.19½	- —
tanks, dlvd.	lb.	.18	- —
Sulphide, dms., l.c.l., works.	lb.	1.10	- —
Diamylamine, dms., c.l., works,	lb.	.47	- —
l.c.l., works	lb.	.50	- —
Diamylene, dms., c.l., works.	lb.	.095	- —
l.c.l., works	lb.	.102	- —
tanks, works	lb.	.085	- —
Diamylnaphthalene, dms., l.c.l., works.	lb.	.20	- —
Diamylphenol (2, 4), dms., c.l., works.	lb.	.17	- —
l.c.l.	lb.	.20	- —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works,	ton.	22.00	-85.00
l.c.l., ex whse.	ton.	45.00	-150.00
import, bgs., c.i., c.i.f.	ton.	30.00	- -
Dibutylamine, dms., c.l., works,	lb.	.50	- —
l.c.l.	lb.	.52	- —
Dibutyl ether (see Ether, butyl).			
Dibutyl phthalate, dms., c.l., dlvd.	lb.	.19	- —
l.c.l., dlvd.	lb.	.19¼	- —
tanks, dlvd.	lb.	.18	- —
cns., works	lb.	.23½	- .25½
Sebacate, dms., wks.	lb.	.45	- —
Tartrate, dom., dms.	lb.	.50	- —
Dicalcium phosphate (see Calcium phosphate, dibasic).			
Dichlorethyl ether, dms., c.l., works.	lb.	.15	- —
l.c.l., works	lb.	.16	- —
tanks, works	lb.	.14	- —
Dichloropentane, dms., c.l., works,	lb.	.0321	- —
l.c.l.	lb.	.04	- —
tanks	lb.	.023	- —
Diethanolamine, dms., works.	lb.	.24	- —
l.c.l., works	lb.	.25	- —
tanks, works	lb.	.23	- —
Diethyl carbonate, coml., dms.	lb.	.26	- —
refd., 99%, dms.	lb.	.35	- —
Carbinol (see Carbinol).			
Phthalate, dms., c.l., frt. alld.	lb.	.18	- —
l.c.l.	lb.	.19¼	- —
tanks	lb.	.18	- —
Sulphate, dms., c.l., works.	lb.	.13	- —
l.c.l., works	lb.	.14	- —
tanks	lb.	.13	- —
Diethylaniliin, dms.	lb.	.40	- —
Diethylenegiycol, dms., c.l., works,	lb.	.16	- —
l.c.l., works	lb.	.17	- —
Monobutylether, dms., works.	lb.	.33	- .34
Diethylene glycol monoethylether, dms., c.l., works.	lb.	.15	- —
l.c.l., works	lb.	.16	- —
tanks, works	lb.	.14	- —
Digitalis leaves, dms.	lb.	.85	- .90


ELECTRO BLEACHING GAS COMPANY · Main Office: 60 EAST 42nd STREET, NEW YORK, N. Y. · Plant: NIAGARA FALLS, N. Y.
UNIFORM
EBG
Liquid Chlorine

Diglycol—Green, Chrome

Diglycol laurate.....lb. .23 - —
Oleate, light, bbls.....lb. .21 - —
Stearate.....lb. .25 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dilleed, recleaned, bgs.....lb. .09 - .09½
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½- —
Dimethylamine, dms., c.l., dlvd. lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Dimethylaniliin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylethyl carbinol (see Carbonol).
Dinitrobenzene, bbls, 89° min., lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidine, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .19 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .81 Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 2.00
Disodium phosphate (see Soda phosphate, dibasic).
Divi-divi extract, bbls.....lb. .05¾- .06¾
Doggrass root, cut, bls.....lb. .11 - .12
Dogwood, bark, Jamaica, bls., lb. .06 - .07
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, thin, cs.....lb. .80 - .85
Duboisine sulphate, vis.....oz.$4.50 -$5.00
Dyes, coaltar, for coloring foods (certified colors) (numbers are those of Colour Index scale):—
Blue:—
Brilliant blue FCF, cans..lb.12.50- —
1180 Sodium indigo disulphonate, cns..lb.13.50- —
Green:—
Fastgreen FCF, cns.....lb.27.50- —
666 Guinea green B., cns. lb.13.50- —
670 Light green SF, yellowish, cns..lb.17.50- —
Red:—
184 Amaranth, cns.....lb. 8.15- —
773 Erythrosin, cns.....lb.17.50- —
80 Ponceau 3R, cns.....lb. 6.00- —
Ponceau 8X, cns.....lb. 5.75- —
Orange:—
150 Orange I, cns.....lb. 2.90- —
Yellow:—
10 Naphthol yellow S, cns..lb. 8.50- —
Sunset yellow FCF, cns.lb. 8.15- —
840 Tartrazin, cns.....lb. 8.15- —
22 Yellow AB, cns.....lb. 2.05- —
61 Yellow OB, cns.....lb. 2.05- —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G.....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .95 - 1.00
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste.....lb. .85 - .90
189 Lake red R, powdered..lb. 2.00 - 2.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B...lb. .80 - .85
326 Direct cast scarlet.....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.30
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN..lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
449 Benzo purpurin 4B.....lb. .40 - .42½
495 Benzo purpurin 10B....lb. .40 - .50
502 Direct asurin G.....lb. .75 - .90
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 3B....lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast, black, FF..lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
583 Direct black RX.....lb. .35 - .45
606 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 2GO.....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow.....lb. 2.00 - 2.25
845 Nigrosin(water soluble).lb. .35 - .50
1177 Indigo, 20 p. c. paste..lb. .15 - .18
Benzo fast blank L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan.....lb. .30 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains (numbers are those of Colour Index scale)
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives..lb. .42 - —
Blue:—
1075 Alizarin astrol base.lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
729 Victoria blue.....lb. .75 - —
Browns:—
Brown .....lb. 1.35 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green.....lb. .75 - —
Orange:—
34 Sudan I.....lb. .70 - —
.... Orange, red shade..lb. .75 - —
Red:—
76 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthroquinone violet base..lb. 6.00 - —
920 Oil violet.....lb. .50 - —
Dyes, coaltar, for stains (numbers are those of Colour Index scale)
Yellow:—
15 Amidoazobenezene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or ware house).
Black:—
864 Nigrosin.....lb. .40 - —
Blue:—
729 Victoria blue.....lb. 2.55 - —
860 Indulin.....lb. .70 - —
Brown:—
231 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet .....lb. .70 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .80 - —
865 Nigrosin .....lb. .38 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
732 Victoria blue B.....lb. 2.00 - —
961 Indulin .....lb. .97 - —
909 New blue R.....lb. 1.80 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .35 - —
Brown:—
234 Resorcin brown Y...lb. .35 - —
235 Resorcin dark brown R lb. .36 - —
231 Bismarck brown G..lb. .52 - —
232 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Water-soluble:—
Red:—
31 Amidonaphthol red G. lb. .42 - —
37 Amidonaphthol red 6B. lb. .39 - —
79 Popceau R.....lb. .42 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .33 - —
188 Crocein scarlet 3BX..lb. .60 - —
185 Cochineal red A....lb. .60 - —
Water-soluble:—
Red:—
252 Brilliant crocein 3r..lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Water-soluble:—
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow...lb. 1.25 - —
639 Xylene light yellow.lb. 1.15 - —
840 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .17 - .18
Egg albumen (see Albumen).
yolk, bbls.....lb. .67 - .69
Elder flowers, bright, bls.....lb. .21 - .23
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .20 - .21
select, bndls.....lb. .24 - .25
Emetine hydrochloride, bots..oz.13.50 -14.00
Ephedra, bls.....lb. .11 - .12
Ephedrine, tins, 1,000 ozs.....oz. 2.15 - —
tins, 100 ozs.....oz. 2.25 - —
Hydrochloride, tins, 1,000 ozs oz. 1.50 - —
tins, 100 ozs.....oz. 1.60 - —
Sulphate, cryst., 1,000 ozs...oz. 1.50 - —
tins, 10 0ozs.....oz. 1.60 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 -
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 -
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.25 - —
smaller lots.....lb. 2.50 - —
bbls., c.l.....lb. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.35 - —
smaller lots.....lb. 2.60 - —
kgs., c.l.....lb. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.60 - —
smaller lots.....lb. 2.85 - —
dried, dom., bgs., l.c.l...lb. .08 - .10
Ergot, USP, cns., dms.....lb. 1.25 - 1.30
Eserine, sats.....oz.42.00 - —
Salicylate, bots.....oz.33.00 -34.00
Sulphate, bots.....oz.30.00 - —
Ether, acetic (see Ethyl acetate)
Butyl, dms., l.c.l., dlvd.....lb. .25 - —
cns.....lb. .29 - .31
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .08 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works..lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs. lb. .26 - —
USP, 1880, dms.....lb. .32 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85 p.c., dms., c.l., frt. alld..lb. .061 - —
l.c.l., frt. alld.....lb. .066 - —
tanks, frt. alld.....lb. .051 - —
90%, dms., c.l., frt. alld....lb. .0685- —
l.c.l., frt. alld.....lb. .0735- —
tanks, frt. alld.....lb. .0586- —
Ethyl acetate, N. F., VI, 99%, dms., 400 lbs..lb. .08 - —
cns., 35 lbs.....lb .12 - .13
Acetate, USP, VIII, 90%, dms., 400 lbs..lb. .07½- —
cns., 35 lbs.....lb. .12½- —
Acetoacetate, dms., c.l., works, lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms. .....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55 and 110 gal. dms., dlvd..lb. .33 - —
5 and 10 gal. dms., dlvd...lb. .36 - —
Formate, cns., dms.....lb. .23 - .24
Iodide, bots.....lb. 5.01 - —
Lactate, 55-gal. dms., works. lb. .33½- —
5-gal. dms., works.....lb. .37½- —
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., cms., works..lb. .77 - —
Vanillin, 25 lbs. lots., cns., lb. 5.25 - —
5 lb. lots.....lb. 5.30 - —
1 lb. lots, cns.....lb. 5.40 - —
Ethylcellulose, bgs., 500 lbs. or more, frt. alld..lb. .43 - —
contracts, frt. alld.....lb. .47 - —
100 lbs., frt. alld.....lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0545- .05½
West of Rockies, same basis..lb. .0595- .06
l.c.l., works, E. of Rockies, frt. alld..lb. .0644- .05½
West of Rockies, same basis..lb. .0694- .07
Ethyleneglycol, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - .20
tanks .....lb. .15 - —
Monobutylether, dms., c.l., works..lb. .18 - —
l.c.l., works.....lb. .19 - .23
tanks, works.....lb. .17 - —
Monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
monoethylether, acetate, dms., c.l., works..lb. .16 - —
l.c.l., dms.....lb. .14 - —
tanks, works.....lb. .12 - —
Monomethylether, dms., c.l., works..lb. .17 - —
l.c.l., works.....lb. .18 - —
tanks, works.....lb. .16 - —
Ethylidinaniliin, dms.....lb. .45 - .47½
Ethylorthoparatoluenesulphonamide, bbls..lb. .60 - —
Eucalyptol, cns., dms.....lb. .55 - .57
Eucalyptus leaves, bls.....lb. .06 - .09
bbls..lb. .55 - —
Ethylparatoluenesulphonamide..lb. .60 Nom.
Eugenol, bgs., cns.....lb. 1.70 - 2.15
Euphorbia, bls.....lb. .05 - .06

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
glass, 20 mesh, bulk, works..ton. 9.75 -13.25
pottery, bulk, Me., works...ton.17.00 -19.00
N.C. works.....ton.17.00 -19.00
Fennel seed, French type, bgs., lb. .07¾- .08¼
Indian, bgs. .....lb. .07½- .07¾
German, large, bgs.....lb. .18 - .19
small, bgs. .....lb. .12 - .13
Fenugreek seed, bgs.....lb. .03¾- .04¼
Ferric Sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb. .10 - —
smaller lots, works..lb. .11 - —
light, cs., 1,000 lbs. or over, works..lb. .11 - —
smaller lots, works..lb. .12 - —
water white, cs., 1,000 lbs., or over, works..lb. .12 - —
smaller lots, works...lb. .13 - —
Fir balsam, Canada ,cns....gal.10.50 -11.00
Oregon, bbls.....gal. 1.05 - 1.10
Fish berries, bgs.....lb. .08 - .09
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. No prices.
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton.50.00 - —
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, So. Atlantic factories, contracts..unit-ton. 2.50 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, shipt..ton.48.50 - —
Flake, white, bbls., kgs.....lb. .10¼- —
Fleaseed, French, black, bgs..lb. .14 - .14½
Indian, blonde, bgs.....lb. .07 - .07½
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, ton.31.50 - —
Washed gravel, 85-5, f.o.b. Ill.-Ky. mines..ton.19.00 -20.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..ton.20.00 -21.00
Imported, 85% not over 5% duty paid..ton.23.50 -24.00
Formaldehyde, bbls., c.l., works, lb. .05¾- —
l.c.l. works.....lb. .06¼- —
dms., c.l., works.....lb. .05¼- —
l.c.l., works.....lb. .05¾- —
tanks, works.....lb. .04½- —
Fringetree bark, bls.....lb. .10 - .14
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.10.00 - —
import, bgs., c.l., ex dock..ton.23.00 - —
l.c.l., ex whse.....ton.30.00 - —
Furfural, refd., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .12½- .14
Fustic extract, cryst., bbls....lb. .22 - .26
liquid, bbls.....lb. .09½- .13
solid, dms.....lb. .17½- .19½

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .10 - .11
Gall extract, bbls.....lb. .22 - —
Gambier, common, cases.....lb. .06¾ Nom.
plantation, cases .....lb. .08¼- .09
Cubes, Singapore, cases....lb. .08½- .09
Extract, bbls. .....lb. .06½- .09¼
Gasoline at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .06½- —
65 octane and above, tanks, gal. .06¼- —
California, 54-58, tanks...gal. .06½- .06¾
Gulf Coast, U. S. Motor, bulk, gal. .04¾- .04¾
60-62, 390 e.p., bulk, export, gal. .04¾- .04¾
60-62, 400 e.p., bulk, export, gal. .04¾- .04¾
64-66, 375 e.p., bulk, export, gal. .04¾- —
Louisiana-Arkansas, US motor, 62 octane, tanksgal. .04½- .04½
63-66 octane, tanks....gal. .04½- .04¾
67-69 octane, tanks....gal. .04¾- .05
70-72 octane, tanks....gal. .05½- .05¾
Oklahoma-Texas, US motor, 62 octane and below, tanks..gal. .04 - —
third grade, tanks..gal. .04 - —
63-68 octane, tanks....gal. .03¾- —
67-69 octane, tanks....gal. .04½- —
70-72 octane, tanks....gal. .04¾- —
natural, 12-lb. v. p., tanks, gal. .03¼- .03½
14-lb. v.p., tanks.....gal. .03¾- —
18-lb. v.p., tanks.....gal. .02¾- .02¾
22-lb. v.p., tanks.....gal. .02¾- —
26-70 lb., v.p., tanks..gal. .03 - —
Pennsylvania, US motor, below 60 octane tanks.. gal. .05 - —
55 octane, tanks.....gal. .06½- —
52-56 450 e.p., naphtha, tanks..gal. .04¾- .05
Gelatin, silver, cs.....lb. .45 - .50
Gelsemium root, bls.....lb. .11 - .12
Gentian root, bls.....lb. .07½- .08
grd., bbls., bxs.....lb. .09½- .10
powd., bbls., bxs.....lb. .10½- .11
Geraniol, cns., dms.....lb. .67 - 3.00
Geranyl acetate, bots., dms...lb. 1.20 - 2.50
Ginger root, African, bgs.....lb. .06¼- .06¾
Cochin, lemon, bgs.....lb. .09¼- .09½
Jamaica, bold, bgs.....lb. .15 - .15½
grinding, bright, bgs...lb. .09¾- .10¼
medium, bold, bgs.....lb. .11 - .11½
Japanese, bgs.....lb. .08½- .08¾
Ginseng fibers, cs. .....lb. 1.75 - 3.00
Root, cultivated, cs.....lb.10.00 -11.00
wild, Southern, cs.....lb. 6.00 - 7.00
Glauber's salt, anhyd. (See Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.18
5 tons or over, works... 100 lbs. 1.05 - 1.25
less than 5 tons, works.. 100 lbs. 1.15 - 1.35
import., bgs. .....100 lbs. 1.05 - 1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .11¾- —
l.c.l., dlvd.....lb. .12 - —
36/58, bgs., c.l., dlvd....lb. .11 - —
l.c.l., dlvd.....lb. .11¼- —
58/82, bgs., c.l., dlvd....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
82/108, bgs., c.l., dlvd...lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .15½- —
60/164, bgs., c.l., same basis, lb. .16¼- —
l.c.l., same basis.....lb. .17 - —
67/122, bgs., c.l., same basis, lb. .17½- —
l.c.l., same basis.....lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19½- —
88/251,bgs.,c.l.,same basis.lb. .19½- —
l.c.l., same basis.....lb. .20½- —
92/283,bgs.,c.l.,same basis.lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .22 - —
113/347, bgs., c.l., same basis, lb. .22 - —
l.c.l., same basis.....lb. .23 - —
125/379, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ¼c. lb. higher, grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, C.P., cns., l.c.l.....lb. .14½- .15
dms., c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12¼- —
dynamite, dms.....lb. Nominal.
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11¾- —
saponification, basis 88%, dms., returnable, dlvd..lb. .08½- .08¾
soaplye, basis 80%, dms., returnable, dlvd..lb. .07½- .07¾
Glycol boriborate, dms.....lb. .23 - —
Phthalate, dms.....lb. .39 - —
Stearate, dms. .....lb. .25 - —
Gold, U.S. purchase price....oz.35.00 - —
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots. .....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
U.S.P. IX, bots.....oz.14.50 -14.75
Gold of pleasure seed, bgs....lb. .12 - .12½
Goldenseal root, bls.....lb. 2.75 - 2.80
powd., bxs.....lb. 3.15 - 3.20
Grains of paradise, bgs.....lb. .60 - .61
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works .....lb. .06½- —
powd., amorph., 90% 325 mesh, 65% graphitic carbon bgs., c.l.,works..lb. .02½- —
65% graphitic carbon, bbls., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house, trcs.....lb. .04¾- .05
White, trcs. .....lb. .05¾- .06
Yellow, trcs. .....lb. .04¾- .05
Wool (see Adeps lanae and Degras).
Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
over 50%, bbls., same basis lb. .31 - —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1½c.). Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Green, chrome, reduced, C.P., color content up 5%, same basis..lb. .06 - —
6-10%, bbls., same basis.lb. .06½- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis.lb. .07¼- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14½- —
41-45%, bbls., same basis.lb. .16¼ —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
Chrome oxide, dom., pure, bbls. lb. .22 - —
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l., works .....lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Chrome, tetrahydroxide, bbls.lb. .35 - —
Green, Paris (see P).
Tungstated, brilliant, kgs....lb. 2.50 - —
emerald, kgs.....lb. 2.25 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .06 - .09
Guaiac resin, cs.....lb. .27 - .28
strained, cs. .....lb. .90 - 1.00
Wood, bls. .....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.65 - 1.91
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Guarana, powd., cs.....lb. 1.00 - 1.05
Gum, aloe (see A).
Ammoniac, tears., cs.....lb. .85 - .90
Arabic, amber sorts, cleaned, bgs..lb. .09 - .09¼
white sorts, 1, bgs.....lb. .23 - .24
2, bgs.....lb. .21 - .22
white powd., bbls.....lb. .12½- .14
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. .20 - .21
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .38 - .39
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran....lb. .34½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.
2, cloudy, white, bgs., c.l., same basis..lb. .26¾- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .17¼- —
4, pale bold straw, bgs., c.l., same basis..lb. .18¼- —
5, pale, straw bold, bgs., c.l., same basis..lb. .14¼- —
6, pale amber bold, bgs., c.l., same basis..lb. .14¾- —
7, pale, straw bold, bgs., c.l., same basis..lb. .11¾- —
8, light amber bold, bgs., c.l., same basis..lb. .11¼- —
9, medium light amber, bold, bgs., c.l., same basis..lb. .09 - —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .09¼- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .07¼- —
12, selected, bold sorts, bgs., c.l., same basis..lb. .06½- —
13, dark sorts bold, bgs., c.l., same basis..lb. .05¾- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .17¼- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .06¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05¾- —
17, pale, fingers, bgs., c.l., same basis..lb. .14¼- —
18, pale straw nubs, bgs., c.l., same basis..lb. .11¾- —
19, pale straw nubs, bgs., c.l., same basis..lb. .11½- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .08¼- —
21, ordinary selected nubs, c.l., same basis..lb. .06¾- —
22, small mixed nubs, bgs., c.l., same basis..lb. .06½- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .06¼- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .14¼- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis, lb. .06¼- —
26, pale, bold chips, bgs., c.l., same basis..lb. .06 - —
27, pale small chips, bgs., c.l., same basis..lb. .05¾- —
28, pale dust, bgs., c.l., same basis..lb. .04¾- —
East India, Batu, bold scraped, bgs., c.l., same basis, lb. .05½- —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis, lb. .03¾- —
dust, bgs., c.l., same basis..lb. .03½- —
nubs and chips, bgs., c.l., same basis..lb. .03¾- —
black, bold, scraped, bgs., c.l., same basis..lb. .06¾- —
unscraped, bgs., c.l., same basis..lb. .04½- —
nubs and chips, bgs., c.l., same basis..lb. .04¾- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis.lb. .11¾- —
chips, bgs., c.l., same basis..lb. .05¾- —
dust., bgs., c.l., same basis..lb. .03¼- —
nubs, bgs., c.l., same basis..lb. .09¼- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .14½- —
chips, bgs., c.l., same basis, lb. .06½- —
dust, bgs.,c.l.,same basis.lb. .03¼- —
nubs, bgs., c.l., same basis, lb. .10 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .11½- —
light, bskts., c.l., same basis..lb. .13¾- —
Gum, copal, Manila, Loba A, bskts., c.l., same basis lb. .10½- —
B, bskts.,c.l.,same basis.lb. .10¼- —
C, bskts., c.l., same basis. lb. .09¾- —
CNE, bskts., c.l., same basis..lb. .06 - —
D, bskts., c.l., same basis, lb. .09¾- —
DK, bskts., c.l., same basis, lb. .06 - —
DU, bskts., c.l., same basis, lb. .08¾- —
dust, bskts.,c.l., same basis, lb. .05½- —
Sambas and white split chips, bskts., c.l., same basis..lb. .14¾- —
Singapore, dust., bskts., c.l., same basis..lb. .05½- —
spirit-soluble, CBB, bskts., basis..lb. .08¼- —
DBB, bskts., c.l., same basis..lb. .07¾- —
MA, bskts., c.l., same basis, lb. .05¾- —
MB, bskts., c.l., same basis, lb. .05¾- —
WS, bskts., c.l., same basis, lb. .07¾- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .06¼- —
chips, pale, bskts., c.l., same basis..lb. .08½- —
small, bskts., c.l., same basis..lb. .07¼- —
extra pale sorts, bskts., c.l., same basis..lb. .08¾- —
nubs, bskts., c.l., same basis..lb. .10¾- —
pale, scraped, bskts., c.l., same basis..lb. .11¾- —
seeds and dust, bskts., c.l., same basis..lb. .05¾- —
Pontianak, bold, genuine, bgs., same basis..lb. .15¼- —
mixed, bgs., c.l., same basis..lb. .14 - —
chips, bgs., c.l., same basis, lb. .08¼- —
split, bgs., c.l., same basis, lb. .13½- —
nubs, bgs., c.l., same basis. lb. .11¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal.lb. .20 - —
A/D, cs., c.l., same basis.lb. .14½- —
A/E, cs., c.l., same basis.lb. .12¾- —
B, cs., c.l., same basis..lb. .18½- —
C, cs., c.l., same basis....lb. .14¾- —
D., cs., c.l., same basis....lb. .13½- —
dust., cs., c.l., same basis.lb. .05¾- —
E, cs., c.l., same basis....lb. .07¾- —
F, cs., c.l., same basis...lb. .07¼- —
Singapore 1, cs., c.l., same basis..lb. .15¼- —
2, cs., c.l., same basis....lb. .11¾- —
3, cs., c.l., same basis....lb. .05¾- —
chips, cs., c.l., same basis.lb. .09¼- —
dust., cs., c.l., same basis, lb. .05¼- —
seeds, cs., c.l., same basis, lb. .07¾- —
Elemi, cns., c.l., same basis as copal..lb. .08½- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs., lb. .06¼- .06½
less than 10,000 lbs., same basis..lb. .06½- .07
dlvd., western N.Y., and Pa., Ohio,Mich.,Ind.,Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l. .....lb. .06¾- .07
l.c.l., same basis.....lb. .07 - .07½
dlvd., elsewhere, 75,000 lbs., contrs. or straight, c.l., lb. .07 - .07½
l.c.l., same basis.....lb. .07¼- .07¾
Euphorbium, cs. .....lb. .22 - .23
Galbanum, cs. .....lb. .90 - .95
Gamboge, pipe, cs.....lb. .60 - .65
powd., bbls. .....lb. .65 - .70
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs. .....lb. .09 - .11
Guaiac (see Guaiac resin)
Karaya, bbls., bxs., dms....lb. .14½- .23
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis. lb. .61 - —
1, cs., c.l., same basis..lb. .41 - —
2, cs., c.l., same basis..lb. .24 - —
3, cs., c.l., same basis..lb. .17¾- —
Kino, tins.....lb. 2.50 Nom.
Mastic, cs., c.l., same basis as copal..lb. .55 - .56
Myrrh, USP, cs.....lb. .42 - .50
Olibanum, siftings, bls.....lb. .07½- .18
tears, cs. .....lb. .18 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks., c.l., same basis as copal..lb. .15 - .19
Scammony, cs. .....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .25 - .27
sorts, bgs. .....lb. .09¼- .09½
Talha, bgs. .....lb. .07½- .08
Thus, bbls. .....lb.14.50 -14.75
Tragacanth, Alleppo 1, cs....lb. 2.40 2.45
2, cs.....lb. 2.30 - 2.35
3, cs.....lb. 1.90 - 1.95
flake, bgs. .....lb. .50 - 1.00
Yacca, bgs., c.l., same basis as copal..lb. .03½- —
powd., bgs., c.l., same basis.lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equal.ton.21.15 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00- —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.15.70 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 8.60 - —
Gypsum, stucco, Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald.....ton.12.00 - —
import, bgs., ex dock....ton.27.50 - —

H

Hawthorn berries, bgs.....lb. .20 - .21
Heliotropin, cryst., cns.....lb. 1.80 - 2.20
Hellebore,white,root,powd.,bbls.lb. .12 - .18
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .18 - .20
Hemlock bark extract, 25% tan, c.l., bbls., works..lb. .03 - —
l.c.l., bbls., works.....lb. .03¼- —
tanks, works.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .05¼- .05¼
Henbane leaves, bls.....lb. .15 - .16
Henna leaves, bls.....lb. .07½- .09
powd., bbls., bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
normal, 85-100°, dms., c.l., Group 3..gal. .11¼- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .80 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .26 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C...lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
USP, dms., 500 lbs., or more, shipments, same basis, lb. .40 - —
100 to 400 lbs., shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Hematropine hydrobromide, bots., 50 ozs..oz.13.00 - —
25 ozs.....oz.15.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 2.65 - —
Hops, N. F., bls.....lb. .17 - .27
Horehound, bls.....lb. .08½- .09
Hydrangea root, bls.....lb. .09 - .10
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs...oz.17.25 - —
cns., 16 oz. .....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 16 oz. .....oz.19.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns.. works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys.. E.ofMiss.R.lb. .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.15.00 -19.00
Hyoscyamine, bots.....oz.15.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .16 - .21
solid, bxs. .....lb. .18½- .20½

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs.....lb. 1.07 - —
less 5%, kgs., 150 lbs..lb. 1.07 - —
resubl., bots., 5 lbs.....lb. 1.35 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals., gal. 1.70 - —
cbys., 5 gals.....gal. 1.75 - 1.80
mild, bbls., 47 gals.....gal. .95 - —
cbys., 5 gals.....gal. 1.00 - 1.05
Iodoform, dms., 100 lbs.....lb. 3.95 - —
jars, 25 lbs.....lb. 4.05 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.10 - 1.15
powd., bxs.....lb. 1.30 - 1.35
Irish moss, ordinary, bls.....lb. .10 - .11
powd., 80-90 mesh, bbls...lb. .20 - .22
prime, bleached, bls.....lb. .18 - .20
Iron acetate, N. F. IV, cbys., 100 lbs..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd...lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms.....100 lbs. 4.65 - 5.25
150-lb. dms .....100 lbs. 5.00 - 6.60
cryst., bbls., works, frt. alld. or equld..lb. .05 - .06
kegs, works, frt. alld. or equld..lb. .07½- .08
liquor, cbys., works, frt. alld. or equld..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
USP solut., cbys., works, frt. alld. or equld..lb. .06½- .07
djns .....lb. .07½- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots.....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.99 - —
syrup, djns.....lb. .37 - .38
bots .....lb. .52 - —
Nitrate, coml., kgs.....lb. .02¾- .06
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .53 - .55
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, bbls., 200 lbs.....lb. .55 - —
bxs., 25 lbs.....lb. .60 - —
kgs., 100 lbs.....lb. .57 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, U.S.P., cryst., bbls., 275 lbs..lb. .04½- —
dms., 100 lbs.....lb. .06½- —

Green, Chrome—Lead, Red

Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .25½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .42 - —
small lots, works.....lb. .50 - —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .061 - —
l.c.l., same terms.....lb. .066 - —
tanks, same terms.....lb. .051 - —
Alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..gal. .40 - —
l.c.l. .....gal. .35 - —
tanks .....gal. .26 - —

J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .16 - .17
powd., bbls., bxs.....lb. .20 - .21
Juniper berries, bgs.....lb. .04 - .05

K

Kamala, tins.....lb. .24 - .26
Kaolin (see China clay).
Kava kava root, bls.....lb. .15 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks.gal. .04¾- .05
Gulf ports, p.w., bulk, export, gal. .03½- —
w.w., bulk..gal. .04 - —
Louisiana - Arkansas, 41-49 w.w., bulk..gal. .04½- .04½
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04¾
42-44 w.w., tanks.....gal. .04¼- .04¾
Pennsylvania, 45 w.w., tanks, gal. .04¾- .05
46 w.w., tanks.....gal. .04¾- .05½
47 w.w., tanks.....gal. .05 - .05½
Kerosene, tankwagon:—
Atlanta .....gal. .12 - —
Boston .....gal. .08 - —
Chicago .....gal. .10 - —
Cincinnati .....gal. .13 - —
Denver .....gal. .11½- —
Louisville .....gal. .10 - —
Minneapolis .....gal. .104 - —
New Orleans.....gal. .11 - —
New York .....gal. .09½- —
San Francisco .....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .07 - .08

L

Lady slipper root, bls.....lb. .43 - .44
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 7.50 - 7.75
Middlewestern, trcs....100 lbs. 7.45 - 7.55
Neutral, trcs. .....100 lbs. 8.25 - 8.50
Western, choice, trcs...100 lbs. 7.55 - 7.60
Compound, trcs. .....100 lbs. 9.25 - 9.50
Larkspur seed, bgs.....lb. .28 - .30
Laurel berries, bls.....lb. .09 - .10
Leaves, Greek, bls.....lb. .03¾- .04¼
Lavender flowers, ordinary, bls.lb. .26 - .28
select, bls.....lb. .34 - .35
extra select, bls.....lb. .40 - .45
Lead acetate, white, broken, bbls..lb. .10 - —
cryst., bbls.....lb. .10 - —
gran., bbls.....lb. .10¾- —
powd., bbls.....lb. .10¾- —
Arsenate, bgs., dealers E. of Rockies..lb. .11 - —
W. of Rockies.....lb. .11 - —
l.c.l., bgs., dealers, E. of Rockies..lb. .11½- —
W. of Rockies.....lb. .11¼- —
Lead arsenate prices are works or whse basis, frt. alld, to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¼- —
l.c.l., dlvd., E.....lb. .06½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib., dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.67 - —
jars .....lb. 2.55 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b.works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .10 - .13
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .076 - —
other points.....lb. .0735- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¼- —
other points.....lb. .07¾- —
smaller lots, etc.....lb. .08¼- —
Ariz., etc.....lb. .09 - —
Ohio., etc.....lb. .08¾- —
other points.....lb. .08¼- —

Lead, Red—Mica

Lead, red, dry, 97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc.....lb. .0785- —
other points.....lb. .0760- —
l.c.l., 5 tons, dlvd., Ala., etc...lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
other points.....lb. .08 - —
smaller lots, dlvd., Ala., etc..lb .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
95%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc..lb. .0810- —
other points.....lb. .0785- —
l.c.l., 5 tons, dlvd., Ala., etc..lb .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
smaller lots, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
in oil, 95% min., 100-lb. kgs., lb. .12¼- —
Resinate, fused, 16%, bbls...lb. .09¼- —
pale, bbls. .....lb. .11½- —
precip., bbls. .....lb. .16½- —
Stearate, bbls. .....lb. .22 - .23
Sulphate (see Lead, white, basic sulphate)
Titanate, bbls., c.l., f.o.b. works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delvy., dlvd., lb. .11¼- —
smaller lots .....lb. .11½- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd., Ariz., etc. lb. .07½- —
other points.....lb. .07¼- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06½- —
other points.....lb. .06¼- —
basic sulphate, l.c.l., dlvd., Ariz., etc..lb. .06¾- —
other points.....lb. .06½- —
in oil, 100-lb. kgs., consumers..lb. .11¼- —
dealers .....lb. .09¾- —
painters .....lb. .10¾- —
Lecithin, 100%, cns., f.o.b., N. Y., or Chi....lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dms., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67¼- .85
tech., grade 1, dms., c.l., same basis..lb. .55 - —
l.c.l., same basis.....lb. .57½- .55
grades 2 or 3, dms., c.l., same basis..lb. .57½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —
l.c.l., same basis.....lb. .42½- .60

Lecithin prices quoted above are for goods packed in 25, 50, or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs.....lb. .17 - .18
powd., bbls.....lb. .24 - .25
Root, bls.....lb. .04½- .05
powd., bbls., bxs.....lb. .07 - .08
select, bndls., cs.....lb. .16 - .17
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.50 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass. ....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn. ....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Marblehead, Ohio....ton. 7.50 - —
Martinsburg, W. Va...ton. 7.50 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Oranda, Va.....ton. 7.00 - —
Ripplemead, Va. ....ton. 7.00 - —
Riverton, Va. .....ton. 7.00 - —
Scioto, Ohio.....ton. 6.50 - —
Sheboygan, Wis.....ton. 7.00 - —
Sherwood, Wis.....ton. 7.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bgs., f.o.b., Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 8.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Oranda, Va.....ton. 8.50 - —
Pelham, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Fort Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va. ....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Wis. .....ton. 9.00 - —
Siluria, Ala. .....ton. 9.00 - —
Springfield, Mo. .....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa..... ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio.....ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Oranda, Va.....ton. 9.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium)

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07¼- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, zone 1, dms., consumer. gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, dlvd., gal. .11½- —
30-50 dms.....gal. .14 - .16
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., c.l. and l.c.l.....gal. .13 - .14
Zone 5, tanks, dealers, dlvd., gal. .10¼- —
c.l. and l.c.l.....gal. .13 - .14
Zone 6, tanks, dealers.....gal. .07¼- —
30-50 dms.....gal. .09 - .12

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penna., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes, and Rockingham.

Linalool, cns.....lb. 2.10 - 6.50
Linalyl acetate, cns., 25 lbs...lb. 1.85 - 2.25
Linden flowers, with leaves, bls.lb. .28 - .90
without leaves, bls.....lb. .17 - .18
Linseed cake, bgs., export....ton.31.50 - —
Meal, 34%, dom., bgs.....ton.43.00 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash...lb. .0660- —
dlvd., other points..lb. .0635- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.....lb. .07 - —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .07½- —
Colo., Mont., N. Mex., Wyo..lb. .07 - —
other points.....lb. .06¾- —
smaller lots, dlvd., Ala., etc. lb. .07½- —
Ariz., etc.....lb. .08 - —
Colo., etc.....lb. .07¾- —
other points.....lb. .07¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.98 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb., bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Fluoride, bbls. .....lb. 2.10 - 2.25
Lithopone, dom.,high-strength,bgs., 20 tons, dlvd., E. or ex wine, Pac. Cst.....lb. .05¾- —
smaller lots, same basis.lb. .05¾- —
bbls., 20 tons, same basis, lb. .05¾- —
smaller lots, same basis.lb. .06¼- —
ordinary, bgs., 20 tons, same basis..lb. .04½- —
smaller lots, same basis.lb. .04¾- —
bbls., 20 tons, same basis, lb. .04¾- —
smaller lots, same basis.lb. .04¾- —
titanated, bgs., 20 tons, same basis..lb. .05¾- —
smaller lots, same basis.lb. .06¾- —
bbls., 20 tons, same basis, lb. .05¾- —
smaller lots, same basis.lb. .06¼- —
Liverwort leaves, bls.....lb. .22 - .23
Lobelia herb, bls.....lb. .11 - .12
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .18 - .24
liquid, 51°, bbls.....lb. .09½- .11¼
solid, bxs. .....lb. .15 - .19
Lovage root, dom., bls.....lb. .55 - .65
import, bls.....lb. .40 - .45
Lupulin, N.E., tins.....lb. 1.25 - 1.50
Lycopodium, cs.....lb. .93 - .95

M

Mace, Banda, cs.....lb. .50 - .51
Batavia, cs.....lb. .34½- .35
Siauw, 1, cs.....lb. .46 - .47
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., works..lb. .20 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09¼- —
USP, Zone 1, bbls., c.l.....lb. .09¼- —
l.c.l. .....lb. .09 - —
kgs., c.l.....lb. .09¾- —
l.c.l. .....lb. .10¼- —

Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. Zone 2, balance of U. S. C.l., shipm'ts, full fr't alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts, frt. alld. including dlvd. store-door. Magnesia prices are f.o.b., Plymouth meeting house.

Chloride, flake, dom., bbls., wks., c.l..ton.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .09½- .10½
Stearate, bbls., ctns., c.l.....lb. .21 - —
1 ton.....lb. .22 - —
1,000-2,000 lbs.....lb. .23 - —
smaller lots.....lb. .24 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton.56.00 -60.00
import, bbls.....ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton.25.00 - —

Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .53 - —
100-lb. lots .....lb. .55 - —
cns. .....lb. .75 - .80
Malva flowers, black, bls.....lb. .35 - .45
blue, bls.....lb. .35 - .45
Leaves, bls.....lb. .11 - .12
Manaca root, bls.....lb. .20 - .21
Mandrake root, bls.....lb. .09½- .10
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.... .....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .07½- .07¾
Dioxide, Caucasian, 85-90%, bbls., c.l., works..ton.51.50 - —
l.c.l., 5 tons, works...ton.54.50 - —
smaller lots, works..ton.59.50 - —
burlap bgs., c.l., works.ton49.25 - —
l.c.l., 5 tons, works..ton.52.25 - —
smaller lots, works.ton.57.25 - —
paper bgs., c.l., works.ton.47.50 - —
l.c.l., 5 tons, works..ton.50.50 - —
84-87% bgs., 28-40 tons, wks. ton.54.50 - —
5-15 tons, wks.....ton.57.50 - —
¼-4 tons, wks.....ton.62.50 - —
300-600 lbs., wks....ton.72.50 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.01 - —
smaller lots.....lb. 2.71 - —
cns., 25 lbs.....lb. 2.83 - —
solut., djns., 1,000-lb. lots, lb. .61 - —
smaller lots.....lb. .71 - —
cns., 25 lbs.....lb. .81 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.45 - —
jars, 25 lbs.....lb. 5.30 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls..lb. .19 - —
Ore, 50-52% basis, bbls., c.l., Atl. ports..unit-ton.30.00 -32.00 Nom.
Resinate, fused, 3½%, bbls..lb. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., bbls., works, lb. .07 - .07½
cryst., 65%, $MnSo_4$, bgs., c.l., dlvd, South..ton.48.75 - —
l.c.l., bgs.....ton.55.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory, unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt...ton.23.00 - —
Manna flake, large, cs.....lb. .45 - .46
small, cs. .....lb. .24 - .25
Mannitol, reagent, pure cryst., cs., works..lb. 1.15 - 1.20
commercial, cryst., bbl., ton lots..lb. .49 - —
smaller lots .....lb. .52 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....lb. .16 - .16½
Tunisan, bls.....lb. .15 - .15½
Matico leaves, bls.....lb. .23 - .24
Menthol, USP, natural, cs.....lb. 3.10 - 3.20
synthetic, tech., cs.....lb. 2.25 - —
USP, cs. .....lb. 3.00 - —
liquid, dms., 50 lbs.....lb. 1.25 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs. .....lb. .77 - —
25 lbs. .....lb. .79 - —
50%, pails, 50 lbs.....lb. 1.11 - —
25 lbs. .....lb. 1.13 - —
Mercury (see Quicksilver).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 1.81 - —
fib., dms., 100 lbs.....lb. 1.68 - —
jars, 25 lbs. .....lb. 1.70 - —
Chloride (see Calomel).
Iodide, red, N. F., bots., 5 lbs., lb. 3.55 - —
cns., 25 lbs.....lb. 3.60 - —
fib., dms., 100 lbs.....lb. 3.60 - —
yellow, bots., 5 lbs.....lb. 3.80 - —
cns., 25 lbs.....lb. 3.65 - —
fib., dms., 100 lbs.....lb. 3.65 - —
Nitrate ointment (see Citrine ointment).
Mercury, oxide red, N.F. (see Red precipitate).
tech. (See Red, mercury oxide).
Yellow, dom., tech., bbl....lb. 1.31 - —
USP, fib. dms., 50 lbs. or more..lb. 1.83 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
fib., dms., 25 lbs.....lb. 1.10 - 1.12
Mesityl oxide, cns., works.....lb. .25½- .27½
dms. c.l., works.....lb. .21 - —
l.c.l., works.....lb. .21½- —
tanks, works.....lb. .20 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½in...pkg. 1.70 - 1.80
Gold, XX deep, 23K, 3¾x3¾ in..pkg.15.25 -15.75
3¾x3¾ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3¾x5½ in.....pkg.22.50 -23.00
3¾x5½ in.....pkg.24.50 -25.00
Silver, 3¾x3¾ in.....pkg. 2.75 - 2.85
Metanitroaniliin, kgs. .....lb. .67 Nom.
Metanitroparatoluidin, bbls....lb. 1.40 - 1.45
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs. ...lb. .65 - —
Methanol, natural, denat. grade, tanks..gal. .35.- —
97%, tanks .....gal. .32 - —
95%, tanks .....gal. .31 - —
Methyl acetone, tanks.....gal. .25 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums, car lots.

pure, synth, dms., c.l., Zone 1, frt. alld..gal. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40½- —
2, frt. alld. or dlvd., gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt. alld. or dlvd..gal. .50 - —
Zone 1, frt. alld.....gal. .33 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo. N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-98%, dms., c.l., E. of Miss. R..lb. .07¼- —
W. of Miss. R.....lb. .08¼- —
l.c.l., dms., dlvd. E. of Miss. R..lb. .07¾- —
W. of Miss. R.....lb. .08¾- —
tanks, dlvd., E. of Miss. R. lb. .06¼- —
W. of Miss. R.....lb. .07¼- —

Methyl, acetate, tech., dms., c.l., dlvd., E. of Miss. R...lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd. E. of Miss. R..lb. .07½- —
W. of Miss R. .....lb. .08½- —
tanks, dlvd. E. of Miss. lb. .06 - —
W. of Miss. R. .....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .30¼- —
Acetone, natural, tanks.....gal. .25 - —

Methyl acetone in drums, car lots, is 5c. per gal. higher, frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl, acetone, synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies.....gal. .32 - —
2, frt. alld. E. of Rockies, gal. .41 - —
3, Pacific Coast.....gal. .42 - —
Zone 4.....gal. .44 - —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .41 - —
2, frt., alld. E. of Rockies..gal. .475 - —
3, Pacific Coast.....gal. .45 - —
4 .....gal. .605 - —
tanks, Zone 1, frt. alld. E. of Rockies.....gal. .315 - —
2, ft. alld. E. of Rockies, gal. .34 - —
3, Pacific Coast.....gal. .35 - —
4 .....gal. .355 - —

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah, Wash., N. Mex.

Methyl alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.80
Benzoate, cns., 25 lbs.....lb. .70 - 1.20
Bromide, cyl. .....lb. .60 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 150-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls.....lb. 2.45 - 2.75
Formate, dms. .....lb. .35 - .36
Lactate, dms., l.c.l., dlvd..lb. .30 - —
Iodide, bots.....lb. 3.68 - 3.83
Salicylate, dms.....lb. .35 - .37
cns. .....lb. .37 - .40
Violet toner, bbls.....lb. .38 - —
permanent, bbls. .....lb. .80 - —
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .11¼- —
l.c.l., same terms.....lb. .12 - —
tanks, same terms.....lb. .10¼- —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.33.00 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .76 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphtyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp, bots.....lb. 3.10 - —
Methylpropyl carbinol (see Carbinol).
Ketone, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .20 - —
tanks .....lb. .15 - —
Methylethyl ketone, dms., c.l., frt., pd., E. of Rocky Mts..lb. .06 - —
l.c.l., same terms.....lb. .06¼- —
tanks, same terms.....lb. .05 - —
Metronite pigment, 120 mesh, containers, extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers, extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers, extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works, ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l., works, ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1, quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex-whse., or frt. alld., E..lb. .04¾- —
paper, wall or coated, bgs., c.l., frt. all., E..lb. .04½- —
l.c.l., ex-whse., or frt. all., E..lb. .04¾- —
rubber, bgs., c.l., frt. alld. E. lb. .04 - —
l.c.l., ex-whse., or frt. alld., E..lb. .04½- —
wet-ground mica prices are ¼c. per pound higher west of Rockies.

Milk powder, skimmed roller, bbls., c.l.	lb.	.06	—
l.c.l.	lb.	.07	—
spray, bbls., c.l.	lb.	.06½	—
l.c.l.	lb.	.07½	—
unskimmed, roller bbls., c.l.	lb.	.15½	—
l.c.l.	lb.	.16½	—
spray, bbls., c.l.	lb.	.15½	—
l.c.l.	lb.	.16½	—
Millet seed, yellow, bgs.	lb.	.0335	.0350
early fortune, bgs.	lb.	.02½	.02½
hulled, bgs.	lb.	.05½	.06
Mineral spirits (see Petroleum thinner and V M & P. naphtha).			
Molasses, blackstrap, tanks.	gal.	.06½	—
New Orleans	gal.	.06	—
Molybdate orange (see Orange, molybdate).			
Molybdenum metal, kgs., 99% powd.	lb.	2.60	3.00
Monoamylamine, dms., c.l., wks.,	lb.	.52	—
l.c.l., works	lb.	.55	—
Monobutylamine, dms., c.l., works.	lb.	.62	—
l.c.l.	lb.	.65	—
Monochlorobenzene, dms., l.c.l.	lb.	.06	.06
Monoethanolamine, dms., c.l., works.	lb.	.24	—
l.c.l., dms.	lb.	.25	—
tanks	lb.	.23	—
Monoethylaniiin, dms.	lb.	.77	Nom.
Monomethylamine, dms., c.l., dlvd.	lb.	.65	—
l.c.l., dlvd.	lb.	.70	—
Monomethylpara-aminophenol sulphate, dms.	lb.	3.75	4.00
Morphine, bots., 5 ozs.	oz.	11.10	—
cns., 25 ozs.	oz.	10.90	—
Acetate, bots., 5 ozs.	oz.	9.00	—
cns., 25 ozs.	oz.	8.80	—
Ethylhydrochloride, bots. 5 ozs.,	oz.	10.75	—
cns., 25 ozs.	oz.	10.55	—
Hydrobromide, bots., 5 ozs.	oz.	8.95	—
cns., 25 ozs.	oz.	8.75	—
Sulphate, bots., 5 ozs.	oz.	9.00	—
cns., 25 ozs.	oz.	8.80	—
Morpholine, dms., 55 gal., l.c.l., works.	lb	.75	—
smaller containers, works.	lb.	1.00	—
Mullein flowers, cns.	lb.	.80	.85
Leaves, bls.	lb.	.07	.08
Musk, nat., Tonquin, grained, bots.	oz.	21.00	-22.00
pods, caddies, 20 ozs.	oz.	19.00	-21.00
synth., ambrette, cns., 100 lbs., or more.	lb.	3.25	—
5 lbs. to 75 lbs.	lb.	3.50	—
1 lb.	lb.	3.65	—
ketone, cns., 100 lbs. or more.	lb.	3.40	—
5 lbs. to 75 lbs.	lb.	3.65	—
1 lb.	lb.	3.80	—
xylol, cns., 100 lbs., or more,	lb.	1.00	—
5 lbs. to 75 lbs.	lb.	1.10	—
1 lb.	lb.	1.25	—
Musk root, bls.	lb.	.12	.13
Mustard seed, Bombay, brown, bgs.	lb.	.04½	.04¾
California, brown, bgs.	lb.	.06½	.07
Chinese, yellow, bgs.	lb.	.05¾	.08½
Danish, yellow, bgs.	lb.	.08	.08½
Dutch, yellow, bgs.	lb.	.08	.08½
English, yellow, bgs.	lb.	.09	.09½
Hungarian, yellow, bgs.	lb.	.08	.08½
Roumanian, yellow, bgs.	lb.	.05¾	.06
Myrobalans, J1, bgs., shipt.	ton.	24.00	—
J2, bgs., shipt.	ton.	17.00	—
R2, bgs., shipt.	ton.	17.25	—
Extract, liquid, 25%, bbls.	lb.	.03¾	.05¼
solid, 50% bbls.	lb.	.04¾	—
powdered, 70% bbls.	lb.	.05¾	—

N

Naphtha, Painters' (see Petroleum naphtha V. M. & P.).			
Solvent (see S).			
Naphthalene, crude, dom., 74 deg., bgs., c.l., works.	100 lbs.	2.25	—
bgs., bbls., l.c.l., works.	100 lbs.	2.50	2.60
78 deg., bgs., c.l., works.	100 lbs.	2.50	—
bgs., bbls., l.c.l., works.	100 lbs.	2.75	2.85
import, bgs., Atl. port.	100 lbs.	1.75	—
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.	lb.	.05¾	—
50-lb., cs., same basis.	lb.	.06	—
pkgs. (16 oz.), same basis,	lb.	.06½	—
(12 oz.) same basis.	pkg.	.05¼	—
Chipped, crushed, bbls., same basis.	lb.	.05¼	—
rice, cryst., powd., bbls., same basis.	lb.	.05¾	—
Nerolin, cryst., cns.	lb.	1.25	1.35
Nickel carbonate, bbls.	lb.	.36	.37½
Chloride, bbls.	lb.	.18	.20
Oxide, black, bbls.	lb.	.35	.38
Salt, bbls.	lb.	.18	.13½
Nicotine sulphate, 40%, dms., works, frt. alld.	lb.	.70	—
10-lb., tins	lb.	.86½	—
Nitereake, bulk, works.	ton.	16.00	—
Nitrobenzene, dbl. dist., dms., c.l.	lb.	.08	—
l.c.l.	lb.	.09	—
tanks	lb.	.07	—
Nitrocellulose, alcohol-soluble, ½, and 40, sec. vis., bbls., works.	lb.	.28	—
bronzing, 20, 40, 70 sec. vis., bbls., works.	lb.	.29	—
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works.	lb.	.22	—
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls.,	lb.	.26	—
ester-soluble, lacquer, 20-30 and 60-80 sec., vis., bbls., works.	lb.	.29	—

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, 45½% ammom., tanks, f.o.b. Atlantic and Gulf ports.	unit-ton.	1.04	—
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk., f.o.b. Carrollville, Wis., dlvd.	unit-ton.	2.20	—
f.o.b. Chemical, Ill.,	unit-ton.	No prices	
East Coast producing points.	unit-ton.	2.50	Nom.
import, bgs., c.i.f. Atlantic ports, shipt.	unit-ton.	2.50	—
Nitronaphthalene, bbls.	lb.	.24	.25
Nutgalls, Alleppo, bgs., cs.	lb.	.23	—
Extract (see Gall extract).			
Nutmegs, 80s, bgs., cs.	lb.	.19	.19½
110s, bgs., cs.	lb.	.16	.16½
West Indian, bgs.	lb.	.10	.10¼
Nux vomica, bls.	lb.	.03¾	.04
powd., bbls., bxs.	lb.	.06	.07

O

Oakbark extract, 25% tan., bbls., c.l., wks.	lb.	.03¼	—
l.c.l., bbls., wks.	lb.	.03¾	—
tanks	lb.	.02¾	—
Ocher (see Yellow).			
Octanes, 100-140° C., mixed, dms., c.l., G.S.	gal.	.12½	—
l.c.l., G.S.	gal.	.17	—
tanks, G.S.	gal.	.10¼	—
Octyl acetate, dms., c.l., works.	lb.	.16	—
l.c.l., works	lb.	.17	—
tanks, works	lb.	.15	—
Oil, almond, bitter, artif. (see Benzaldehyde)			
natural, bots.	lb.	2.25	2.30
s.p.a., bots.	lb.	2.40	2.45
sweet, true, exp., cns.	lb.	.62	.65
Amber, crude, cns.	lb.	.16	.17
ref'd, cns.	lb.	.50	.51
Amyris, cns.	lb.	3.00	3.25
Angelica root, bots.	lb.	45.00	-52.00
seed, bots.	lb.	70.00	-80.00
Anilin (see A).			
Anise, USP, cns., dms.	lb.	.70	.75
Apricot kernel, cns.	lb.	.28	.32
Babassu, tanks	lb.	.06¼	Nom.
Bay, W. I., 50-55% phenols, cns.	lb.	1.20	1.25
55-60% phenols, cns.	lb.	1.30	1.35
Bergamot, artif., cns.	lb.	1.25	1.30
natural, coppers	lb.	3.65	3.85
Betula (see Oil, sweet birch).			
Birch (see Oil, sweet birch).			
Birch tar, crude, dms.	lb.	.16	.17
rectified, cns.	lb.	.60	.65
Bois de rose, Brazil, cns.	lb.	1.55	1.60
Cayenne, cns.	lb.	1.50	1.75
Cade, USP IX (see Oil, juniper tar).			
Cajeput, tech., dms.	lb.	.42	.45
USP IX, cns.	lb.	.48	.50
Calamus, cns.	lb.	3.60	4.25
Camphor, sassafrassy, cns.	lb.	.30	Nom.
dms.	lb.	.27	Nom.
white, cns.	lb.	.29	Nom.
dms.	lb.	.27	Nom.
Cananga, native, cns.	lb.	1.25	1.30
rectified, cns.	lb.	1.80	1.85
Capsicum (oleoresin), N. F. VI, cns.	lb.	2.00	2.06
Caraway, USP, cns.	lb.	1.80	1.86
Cardamom, bots.	lb.	15.00	-27.00
Cassia, USP, cns., dms.	lb.	.95	1.00
Castor, blown, one-way dms., c.l.	lb.	.11½	—
l.c.l.	lb.	.12	—
Medicinal, bbls., c.l.	lb.	.09¾	—
l.c.l.	lb.	.10½	—
cns. (1-gal.), l.c.l.	lb.	.13½	—
dms. (returnable), c.l.	lb.	.09½	—
l.c.l.	lb.	.10¼	—
(5-gal.), l.c.l.	lb.	.11½	—
tanks	lb.	.09	—
No. 3, bbls., c.l.	lb.	.09¼	—
l.c.l.	lb.	.10	—
dms. (returnable), c.l.	lb.	.09	—
l.c.l.	lb.	.09¾	—
tanks	lb.	.08½	—

Castor oil, med. and No. 3 prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.

sulphonated, 50% (48% fat), dms., c.l.	lb.	.06¾	.06¾
l.c.l.	lb.	.07¼	.08¾
75% (63% fat), dms., c.l.	lb.	.09	.09¼
l.c.l.	lb.	.10	.10¼
80% (68% fat), dms., c.l.	lb.	.09½	.10¼
l.c.l.	lb.	.10½	.11
Cedarleaf, cs.	lb.	.63	.68
dms.	lb.	.56	.58
Cedarwood, Oregon, cns., dms.	lb.	.28	.30
Southern cns., dms.	lb.	.18½	.23
Celery, bots.	lb.	7.50	8.75
Chaulmoogra, USP, cns., 500 lbs.,	lb.	.72½	—
25 lbs	lb.	.75	—
Chinawood, dms.	lb.	.15¾	Nom.
tanks	lb.	.15¼	Nom.
Cinnamon, Ceylon, bots.	lb.	8.50	-25.00
Seychelle, bots.	lb.	6.50	7.50
Citronella, Ceylon, cns.	lb.	.34	.35
dms.	lb.	.32	.33
Java, cns., dms.	lb.	.34	.36
Clove, makers, USP, cns.	lb.	.98	—
dms.	lb.	.95	—
Coconut, Manila, crude, tanks,	lb.	.03½	—
Pac. Cst.	lb.	.02¾	.02¾
edible, 76°, tax incl., dms., (returnable), c.l.	lb.	.08½	—
l.c.l.	lb.	.08¾	—
tanks	lb.	.07¼	—
Cod, Newfoundland, shipt., untanked.	gal.	.29	Nom.
Norwegian, shipt., bbls.	gal.	.25	.26
Codliver, med., U.S.P., Norwegian, bbls.	bbl.	26.00	-27.00
Coriander, bots.	lb.	13.50	-20.00
Corn, crude, tanks, works.	lb.	.06¾	.06½
refd., bbls.	lb.	.09¼	.09¾
Cottonseed, d e m., cooking, bbls.	lb.	.08¾	—
salad, bbls.	lb.	.09	—
import, Brazilian, semi-refd., bulk.	lb.	.0430	Nom.
Creosote (see C).			
Croton, USP, cns.	lb.	1.30	1.35
Cubeb, USP, cns.	lb.	2.50	2.75
Crude (see Petroleum, crude).			
Cumin, bots.	lb.	6.75	7.00
Cypress, dom., bots.	lb.	5.25	5.50
import, cns.	lb.	12.00	-12.25
Degras (see D).			
Diesel, Bayonne, bulk.	bbl.	1.75	—
California, 24 plus, bulk.	bbl.	1.55	—
Dill seed, bots.	lb.	2.70	3.00
weed, bots.	lb.	3.75	3.80
Dip (see D).			
Erigeron, cns.	lb.	2.40	2.55
Eucalyptus, cns.	lb.	.35	.37
dms.	lb.	.33	.35
Fennel, sweet, cns.	lb.	1.10	1.15
Fuel, bunker, California, tide-water.	bbl.	.90	—
Gulf Coast	bbl.	.85	.90
Louisiana, Arkansas, 10-14,	bbl.	.85	1.00
N. Y. and N. J. terminals:—			
Monday	bbl.	.95	—
Tuesday	bbl.	.95	—
Wednesday	bbl.	.95	—
Thursday	bbl.	.95	—
Friday	bbl.	.95	—
Saturday	bbl.	.95	—
North Texas, 18-22.	bbl.	.80	.85
24-28, zero cold test.	bbl.	1.10	1.15
Oklahoma, 18-22.	bbl.	.85	.90
24-28, zero cold test.	bbl.	1.07½	1.12½
24-28, 15 and above.	bbl.	.90	.95
Pennsylvania, 36-40.	gal.	.04	.04½
Furnace, Bayonne, 1, bulk, refinery.	gal.	.06	—
2, bulk, same basis	gal.	.04¼	—
4, bulk, same basis	gal.	.04½	—
Louisiana - Arkansas, 32 - 36, light straw.	gal.	.03¼	.03¼
Oklahoma, 28-30.	gal.	.03	—
32-36	gal.	.03¾	.03¼
36-38	gal.	.03¼	.03¾
38-40, straw	gal.	.03¾	.03¾
38-40 zero, 60 c.p.	gal.	.03¾	.04
Fusel (see F).			
Gas, Bayonne, bulk.	gal.	.04	—
Gulf Coast, bulk.	gal.	.03¼	—
North Texas, bulk.	gal.	.02¾	.03
Oklahoma, bulk.	gal.	.02¾	.03

Oil, gaultheria (see Oil, wintergreen leaf).			
Geranium, Algerian, rose, cns.	lb.	2.85	3.50
Bourbon, cns.	lb.	2.50	2.85
Turkish (see Palmarosa).			
Grapefruit, cns.	lb.	1.90	2.00
Grapeseed, dms.	lb.	.40	.60
Ginger, dist., bots.	lb.	5.35	5.50
Gualac wood, concrete, bots.	lb.	2.65	3.30
Haarlem, import., bots.	gross	3.15	3.25
Halibut-liver, dms. 1,000 A unit gal.		.75	1.00
Hemlock, cns.	lb.	.60	.65
Juniper berry, USP, cns.	lb.	1.10	1.30
Wood, tech., cns.	lb.	.45	—
Juniper tar, USP XI, 1,000 lb. dms.	lb.	.39	.40
cns.	lb.	.41	.44
Lard, common, 1, bbls.	lb.	.08¾	—
2, bbls.	lb.	.08½	—
extra, bbls.	lb.	.09	—
1, bbls.	lb.	.09	—
Winter, strained, extra, bbls.,	lb.	.09¼	—
prime burning, bbls.	lb.	.10	—
prime, ed., bbls.	lb.	.10½	—
ined., bbls.	lb.	.09¾	—
Laurel, bots.	lb.	6.25	6.50
Lavandin, cns., 25 lbs.	lb.	1.95	2.05
Lavender flower, French, 50% ester, cns.	lb.	4.50	4.75
38-42% ester, cns.	lb.	3.25	4.25
35-38% ester, cns.	lb.	2.75	3.00
30-32% ester, cns.	lb.	2.00	2.25
garden, cns.	lb.	.42	.45
spike, Spanish, tech., cns.	lb.	1.05	1.10
dms.	lb.	.95	1.10
Lemon, Calif., cns.	lb.	2.50	—
Messina, coppers, cns.	lb.	3.10	4.00
Lemongrass, native, cns., dms.,	lb.	.34	.36
Lime, dist., Mexican, cns.	lb.	3.25	3.30
West Indian, cns.	lb.	3.75	4.00
expressed, cns.	lb.	7.50	7.75
Linalce wood, cns.	lb.	1.25	1.30
Linseed, boiled, bbls., c.l.	lb.	.0890	.0910
l.c.l., 5 or more	lb.	.0930	.0950
less than 5	lb.	.0970	.0990
tanks	lb.	.0830	.0850
double boiled, bbls., less than	lb.	.0990	.1010
raw, bbls., c.l.	lb.	.0850	.0870
l.c.l., 5 or more	lb.	.0890	.0910
less than 5	lb.	.0930	.0950
tanks	lb.	.0790	.0810
Lovage, bots.	lb.	41.25	-60.00

Lubricating, at refinery (including U.S. tax 4c. per gal.):—

California, green, 70, 80, 100, vis., dms.	gal.	.20	—
140 vis., dms.	gal.	.25	—
green, pale, 750, 900 vis., dms.	gal.	.26	—
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis. dms.	gal.	.26	—
Oklahoma, bright stocks, 100-110 D. color 4, 0-10 pour, tanks.	gal.	.18½	—
15-25 pour, tanks.	gal.	.17½	—
150-160 D, color, 4½, 0-10 pour, tanks.	gal.	.20	—
15-25 pour, tanks.	gal.	.19	—
150-160 E. color 5½, 15-25 pour, tanks.	gal.	.18½	—
190-200 D, color 4¼, 15-25 pour, tanks.	gal.	.23	—
200-210 E. 15-25 pour, tanks.	gal.	.22	—
neutrals, 0-10 pour, 150 vis., 3 color, tanks.	gal.	.13	—
180 vis., 3 color, tanks,	gal.	.14	—
4 color, tanks.	gal.	.13½	—
200 vis., 3 color, tanks,	gal.	.14½	—
4 color, tanks.	gal.	.14	—
250 vis., 3 color, tanks,	gal.	.15½	—
4 color, tanks.	gal.	.15	—
280 vis., 3 color, tanks,	gal.	.16½	—
4 color, tanks.	gal.	.16	—
300 vis., 3½ color, tanks,	gal.	.17	—
350 vis., same basis.	gal.	.17½	—
400 vis., same basis.	gal.	.18	—
500 vis., same basis.	gal.	.18½	—
600 vis., same basis.	gal.	.19	—

15-25 pour prices are ½c. per gallon higher than zero to 10° pour.

Penn., bright, 600 cold test, 10-15 pour, tanks.	gal.	.18	—
cylinder, 600 fire, tanks,	gal.	.11½	—
600 flash, tanks.	gal.	.14	—
630 flash, tanks.	gal.	.17	—
635 fire, tanks.	gal.	.12½	—
650 fire, tanks.	gal.	.13½	—
Warren, E, amber, tanks,	gal.	.15	—
neutral, 150 vis., 3 color, tanks.	gal.	.18	—
180 vis., 3 color, tanks.	gal.	.18½	—
200 vis., 2 color, tanks.	gal.	.20	—
spot, Penna., bright, bbls., c.l., f.a.s.	gal.	.22	—
unfiltered, 600 s.r. bbls., f.a.s.	gal.	.20	—
600 flash, s.r., bbls., c.l.,	gal.	.21	—
630 s.r., bbls., c.l., f.a.s.,	gal.	.20½	—
unfiltered, Warren, E, bbls., c.l., f.a.s.	gal.	.20	—
smaller lots, f.o.b.	gal.	.21	—
Mace, dist., cns., dms.	lb.	1.20	1.25
Mandarin, superior, coppers.	lb.	5.75	6.00
Menhaden, crude, tanks., f.o.b. Balto.	gal.	.32	Nom.
refd., alkali, dms.	lb.	.0760	—
tanks	lb.	.0700	—
blown, dms.	lb.	.0760	—
kettle-boiled, dms.	lb.	.0860	—
light, pressed, dms.	lb.	.0700	—
tanks	lb.	.0640	—
Mineral, white (see Oil, white mineral).			
Mustard, artif., USP, cns.	lb.	1.65	1.70
dist., natural, bots.	lb.	8.50	9.00
expressed, bbls.	gal.	.65½	.70
Neatsfoot, 20° cold test, bbls.,	lb.	.15¼	—
extra, bbls.	lb.	.09	—
1, bbls.	lb.	.08¾	—
pure, bbls.	lb.	.10¾	—
prime, bbls.	lb.	.09	—
sulphonated, common, 25% moisture, dms.	lb.	.10½	—
Neroli, bots.	lb.	85.00	- 140.00
Nutmeg, USP, cns., dms.	lb.	1.20	1.25
Oiticica, dms.	lb.	.11	.11¼
Oleo, 1, bbls.	lb.	.08½	—
2, bbls.	lb.	.07¾	—
Olibanum, bots.	lb.	5.00	5.25
Olive, denat., bbls.	lb.	.92	.95
edible, bbls.	gal.	1.75	2.00
foots, bbls.	lb.	.07½	.07¼
sulphonated, 50% (43% fat), dms., c.l.	lb.	.11¼	.12
l.c.l.	lb.	.12¼	.13
75% (63% fat), dms., c.l.	lb.	.13¼	.14
l.c.l.	lb.	.14¼	.15
80% (68% fat), dms., c.l.	lb.	.14¼	.15
l.c.l.	lb.	.15½	.16

Orange sweet, dist., cs.	lb.	.50	—
expressed, African, cns., dms.	lb.	.80	.85
Calif., cns.	lb.	.75	—
Messina, USP, coppers.	lb.	2.25	3.25
West India, cns.	lb.	1.75	1.85
Origanum, cns.	lb.	.90	1.60
Orris, Florentine, concrete, extra strong bots.	oz.	4.75	6.50
Palm, Niger, csks.	lb.	.03¾	.03¾
shipment	lb.	.03	—
softs, 12½%, bulk, shipt.	lb.	0290	—
20%, bulk, shipt.	lb.	0280	—
Sumatra, shipt., bulk.	lb.	.02¾	Nom.
Palmarosa, cns.	lb.	2.00	2.35
Palmkernel, bulk, shipt.	lb.	.0340	Nom.
Paraffin, 320° flash, 60-70 vis., tanks, G. 3.	gal.	.05¼	—
330° flash, 70-80 vis., tanks, G. 5.	gal.	.05½	—
80-85 vis., bbls., extra, Ind. refy.	gal.	.12	—
350° flash, 100-105 vis., bbls., extra, Ind. refy.	gal.	.14	—
360° flash, 100-110 vis., tanks, G. 3.	gal.	.05¾	—
Patchouli, bots., cns.	lb.	3.75	4.10
Peanut, crude, dom., tanks.	lb.	.06¾	.06¾
refd., edible, bbls.	lb.	.10	.10¼
Pennyroyal, dom., cns.	lb.	2.10	2.15
import, cns.	lb.	1.90	2.00
Peppermint, natural, cns., dms., redist., USP, cns., dms.	lb.	2.15	2.45
Perilla, dms.	lb.	2.35	2.65
tanks	lb.	.09¾	.10
Petitgrain, Paraguay, cns.	lb.	.0920	.0940
Pimento berry, cns.	lb.	.82½	.90
leaf, cns.	lb.	3.35	3.65
Pine, dest.-dist., straw-color, dms., dlvd., E. ports.	lb.	2.30	2.40
steam-dist., dms.	gal.	.46	.48
tanks	gal.	.59	—
Pineneedle, Siberian, cns.	lb.	.54	—
Putty, bbls., El Segundo, Richmond, Cal.	lb.	.95	1.00
contracts	gal.	.22½	—
Whiting, Ind.	gal.	.19½	—
dms., c.l., Bost., Provid.	gal.	.38	—
l.c.l., same basis.	gal.	.25	—
tanks, same basis.	gal.	.27	—
Martinez, Cal.	gal.	.18	—
Rapeseed, blown, bbls.	lb.	.23	—
denat., bbls.	lb.	.14	.14½
Red, dist. or saponif. bbls., dlvd.	lb.	.80	.82
dms., dlvd.	lb.	.07¾	Nom.
tanks, dlvd.	lb.	.07¼	Nom.
white, dms.	lb.	.06¼	Nom.
Rose, artif., bots.	oz.	.10¼	Nom.
natural, coppers	oz.	2.00	8.00
Rosemary, Spanish, cns.	lb.	5.25	-22.50
dms.	lb.	.56	.75
Rosin, 1st rectfd., dms.	gal.	.51	.70
2d rectfd., dms.	gal.	.45	—
3d rectfd., dms.	gal.	.47	—
Rue, bots.	lb.	.51	—
Sage, cns.	lb.	3.95	4.00
Sandalwood, E.I., USP, cns.	lb.	1.60	1.55
Sardine, crude, tanks, Pac. Cst.	gal.	4.75	4.80
refd., alkali, dms.	lb.	.30	Nom.
tanks	lb.	.0760	—
kettle-boiled, dms.	lb.	.0700	—
light, pressed, dms.	lb.	.0860	—
tanks	lb.	.0700	—
Sassafras, artif., cns.	lb.	.0640	—
dms.	lb.	.36	.37
natural, cns., dms.	lb.	.34	.35
Savin, cns.	lb.	.90	1.00
Savory, cns.	lb.	1.60	1.65
Sesame, refd., dms.	lb.	2.00	2.25
Shingle stain, bbls., c.l., wks.	gal.	.10½	Nom.
l.c.l., works.	gal.	.19	—
tanks, works.	gal.	.21	—
Snakeroot, Canada, cns.	lb.	.14	—
Soybean, dom., rude, dms.	lb.	9.50	-10.00
tanks	lb.	.0635	.0700
refd., dms.	lb.	.05¾	.06¼
tanks	lb.	.0755	.0825
Spearmint, USP, cns.	lb.	.0675	.0685
Sperm, bleach, 38°, dms.	lb.	1.70	1.75
45°, dms.	lb.	.0900	.0920
natural, dms.	lb.	.0830	.0850
Spruce, cns., dms.	lb.	.0780	.0800
Sweet, birch, North, cns.	lb.	.60	.65
South, cns.	lb.	2.25	2.50
Tall, crude, dms., c.l., works,	ton.	1.65	2.00
l.c.l., works.	ton.	45.00	—
tanks, works.	ton.	50.00	-55.00
refined, dms., c.l., works.	lb.	55.00	—
l.c.l., works	lb.	.05¼	—
tanks, works	lb.	.06	—
Tallow, acidless, bbls.	lb.	.05	—
tanks	lb.	.06½	—
Tansy, cns.	lb.	.08	—
Tar, comi. dms., c.l., dlvd., E. cities.	gal.	6.75	7.00
E. ports.	gal.	.30	—
l.c.l.	gal.	.35	—
tanks, dlvd., E. cities.	gal.	.32	—
rectfd., USP, bbls., dlvd., E. ports.	gal.	.30	—
Tar acid (see T).		.59	—
Teaseed, crude, dms.	lb.	.06¾	Nom.
Tea Tree (see Oil, ti tree).			
Thyme, NF, red, dms.	lb.	.95	1.25
white, dms.	lb.	.95	1.45
Tung (see Oil, chinawood).			
Ti tree, cns.	lb.	2.40	2.90
Turkey red (see Oil, castor, sulphonated).			
Turpentine (see T).			
Turtle, cns.	gal.	4.25	5.00
Valerian, bots.	lb.	8.00	8.25
Vetiver, bots.	lb.	8.50	-15.00
Walnut, crude, dms.	lb.	.13	.13¼
refd., dms.	lb.	.14	.14
Whale, refd., natural, dms.	lb.	.0770	.0790
winter, bleach, dms.	lb.	.0810	.0830
Wheat germ, pbar., cns., dms.	gal.	22.50	-30.00
feedstuff, cns., dms.	gal.	17.50	-25.00
White, mineral, doms., tech., 50-60 vis., dms.	gal.	.40	—
65-75 vis., dms.	gal.	.42	—
80-90 vis., dms.	gal.	.43	—
USP, 80-90 vis., dms.	gal.	.46	—
95-105 vis., dms.	gal.	.53	—
125-135 vis., dms.	gal.	.60½	—
140-150 vis., dms.	gal.	.64	—
175-185 vis., dms.	gal.	.68½	—
200-210 vis., dms.	gal.	.70½	—
320-330 vis., dms.	gal.	.76	—
335-345 vis., dms.	gal.	.77	—
Russian, 80-90 vis., dms.	gal.	.46	—
145-155 vis., dms.	gal.	.64½	—
175-185 vis., dms.	gal.	.68½	—
335-345 vis., dms.	gal.	.77	—
Wintergreen, natural, North.	lb.	4.00	8.00
South, cns.	lb.	3.05	3.75
synth (see Methyl salicylate).			
Wood (see Oil, chinawood).			
Wormseed, cns.	lb.	2.00	2.25
Wormwood, cns.	lb.	2.20	2.30
Ylang-ylang, Bourb., bots., cns.,	lb.	3.00	3.50
Manila, bots.	lb.	18.00	-24.00
Olivine, aggregate, c.l., mines,	ton.	5.00	8.00
Lumps, same basis.	ton.	7.00	—
Spalls, same basis.	ton.	5.00	—
ground, 200 mesh, c.l., mines,	ton.	15.00	—
20 mesh to dust.	ton.	16.00	—
Opium, USP, cns.	lb.	11.50	-12.50
gran., cns.	lb.	12.50	-13.50
powd., cns.	lb.	12.50	-13.50

Orange—Potash, Metabisul.

Orange, Lake, Persian, bbls..lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash....lb. .10½- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. lb. .11 - —
Colo., Mont., N. M., Wyo..lb. .10¾- —
Other points .....lb. .10¼- —
smaller lots, dlvd., Ala., etc..lb. .11 - —
Ariz., etc.....lb. .11½- —
Colo., Mont., N. M., Wyo..lb. .11¼- —
Other points .....lb. .10¾- —
French, Tours, casks, ex dock, lb. .13½- —
kgs., ex dock.....lb. .14½- —
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .32 - .35
Orange peel, bitter, bls.....lb. .08 - .09
sweet, bls.....lb. .13 - .14
Orris root, Florentine, bgs.....lb. .10 - .11
fingers, cs.....lb. .85 - .90
powd., bbls., bxs.....lb. .12 - .13
Verona, bls.....lb. .09 - .10
powd., bxs., cs.....lb. .12 - .13
Orthoanisidin, bbls.....lb. .70 - —
Orthochloroaniline, dms.....lb. .60 - .75
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works.lb. .16½- —
l.c.l., same basis.....lb. .17½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - —
Orthodichlorobenzene, l.c.l., same basis..lb. .07 - —
100-lb. tins, same basis.lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- of Rockies
Orthodichlorobenzene prices west 1c. per lb. higher.
Orthonitroaniline, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .06 - —
Orthotoluenehydrochloride, dms.lb. .22 - —
Orthotoluene sulphonate, kgs..lb. 2.00 - 2.05
Orthotoluidin, dms.....lb. .16 - —
Osage orange extract, cryst., bbls., lb. .19 - —
liquid, 42°, bbls.....lb. .08 - —
51°, bbls.....lb. .09 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 2.50 - —
bots., cns., 1-50 lbs.....lb. 3.05 - 4.00

P

Papain, powd., cs.....lb. 1.20 - 1.25
Paprika, Hungarian, extra fancy, bgs..lb. .37 - .38
medium, bgs.....lb. .35 - .37
Spanish, extra fancy, cs.....lb. .50 Nom.
Para-aminoacetanilide, kgs....lb. .85 Nom.
Parachlorophenol, dms.....lb. .45 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l.....lb. .12½- .15½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .02¼- —
bbls., c.l., N. Y.....lb. .0230- —
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .02¾- —
bbls., c.l., N. Y.....lb. .0235- —
yellow, 124-126 A.m.p., bbls., c.l., N. Y..lb. .02¼ Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l..lb. .03¾- —
loose, c.l.....lb. .0355- —
125-127 A.m.p., bgs., c.l..lb. .0390- —
loose, c.l.....lb. .0370- —
128-130 A.m.p., bgs., or loose, c.l..lb. .04 - —
131-133 A.m.p., bgs., or loose, c.l..lb. .0435- —
133-135 A.m.p., bgs., or loose, c.l..lb. .0465- —
135-137 A.m.p., bgs., or loose, c.l..lb. .0490- —
138-140 A.m.p., bgs., or loose, c.l..lb. .0565- —
143-145 A.m.p., bgs., or loose, c.l..lb. .0660- —
151-153 A.m.p., bgs., or loose, c.l..lb. .08½- —
refined paraffin prices in cases are 1½c. lb. higher than bags price; solid in tankcars is .05c. lower.
match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .02½- .02⅝
semirfd., solid, 122-124 A.m.p., bgs..lb. .02¼ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C..lb. .34 - —
100 to 900 lbs. shipments, same basis..lb. .35 - —
Paraldehyde, tech., 99%, 55 and 100 gal. dms., dlvd..lb. .16 - —
5 and 10 gal. dms., dlvd.. lb. .17 - —
USP, cs. cbys.....lb. .37 - .45
Paranitroanilin, kgs., works...lb. .47 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs.....lb. .35 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .56 - —
Pareira brava root, bls.....lb. .15 - .18
Paris green, dealer, dms., bbls., c.l., f.o.b. works frt. alld., lb. .23 - .25
less car lot, same basis.lb. .24 - .26
Passion flower, herb, bls.....lb. .07½- .08
Patchouli leaves, bls.....lb. .18 - .20
Pellitory root, bls.....lb. .16 - .17
Pennyroyal herb, bls.....lb. .07 - .08
leaves, bls.....lb. .14 - .15
Pentanes norm., 28-38°, dms., c.l., G.3..gal. .11½- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .08½- —
laboratory grade, dms., c.l., G.3..gal. .14 - —
l.c.l., G.3.....gal. .25 - —
Pepper, black, Alleppy, bgs....lb. .08 - .08⅝
Lampong, bgs.....lb. .04½- .05
Tellicherry, bgs.....lb. .08⅝- .09
Red, chillies, Japan, 1, bgs..lb. .20½- .21
Mombasa, bgs.....lb. .22 - .22½
White, Java, Muntok, bgs...lb. .07 - .07⅝
Saigon, bgs.....lb. .06⅞- .07⅝
Peppermint leaves, dom., bls..lb. .23 - .24
import, bls.....lb. .45 - .46
Peru, balsam, dms.....lb. .65 - .70
Petrolatum, amber, bbls., c.l..lb. .02⅝- .02⅝
l.c.l.....lb. .03⅜- .06⅞
extra, bbls.....lb. .02½- .03
l.c.l.....lb. .03⅜- .04⅛
cream (see white, cream).
green (see red).
red, veterinary, bbls., c.l.....lb. .02½- —
l.c.l.....lb. .05⅝- .06½
lily, bbls., c.l.....lb. .05¼- —
l.c.l.....lb. .06⅝- .07½
snow, bbls., c.l.....lb. .06¼- —
l.c.l.....lb. .07⅝- .08⅜

Petroleum, crude, bulk, at wells:—
California:—
Alamitos Heights.....bbl. .74 - .96
Athens .....bbl. .84 - 1.00
Beiridge .....bbl. .70 - 1.32
Buena Vista Hills.....bbl. .70 - 1.38
Canal-Greely .....bbl. .91 - 1.68
Coalinga .....bbl. .70 - .90
Coyote Hills (West)....bbl. .78 - 1.32
Dominguez .....bbl. .79 - 1.00
East Coyote.....lb. .76 - .96
Elk Hills .....bbl. .70 - 1.38
Elwood Terrace, f.o.b. ship., bbl. 1.28 - 1.43
El Segundo.....bbl. .80 - 1.21
Huntington Beach.....bbl. .78 - 1.22
Inglewood .....bbl. .79 - 1.27
Kern Front.....bbl. .70 - —
Kern River.....bbl. .70 - —
Kettleman Hills.....bbl. 1.19 - 1.43
La Habra.....bbl. .76 - .96
Lakeview .....bbl. .70 - 1.38
Lost Hills.....bbl. .70 - 1.18
McKittrick .....bbl. .70 - —
Midway-Sunset (except Lakeview)..bbl. .70 - 1.38
Montebello .....bbl. .77 - 1.43
Mt. Poso.....bbl. .70 - —
Mountain View.....bbl. .70 - 1.20
Newhall .....bbl. .70 - —
Orcutt .....bbl. .70 - .98
Olinda Brea.....bbl. .76 - 1.27
Playa del Rey, f.o.b. pipeline .....bbl. .80 - 1.16
Richfield .....bbl. .76 - 1.00
Rosecrans .....bbl. .84 - 1.06
Round Mt.....bbl. .70 - —
Santa Fe Springs.....bbl. .78 - 1.42
Santa Maria.....bbl. .63 - .70
Santa Paula.....bbl. .70 - 1.01
Seal Beach.....bbl. .79 - 1.19
Signal Hill.....bbl. .80 - 1.21
Torrence .....bbl. .80 - 1.05
Wheeler Ridge.....bbl. .70 - .83
Whittier .....bbl. .76 - .96
Wilmington .....bbl. .75 - 1.21
Canada:—
Oil Springs .....bbl. 1.97 - —
Petrolia .....bbl. 1.90 - —
Central West:—
Illinois .....bbl. 1.05 - —
Lima.....bbl. .90 - —
Midland (Mich.).....bbl. 1.12 - —
Princeton .....bbl. 1.05 - —
East Texas.....bbl. 1.10 - —
East Texas:—
Gulf Coast:—
Barber's Hill.....bbl. .79 - 1.16
Batson .....bbl. .74 - 1.04
Dayton .....bbl. .95 - 1.41
Esperson .....bbl. .79 - 1.16
Goose Creek.....bbl. .79 - 1.28
Hull .....bbl. .74 - 1.04
Humble .....bbl. .74 - 1.04
Liberty .....bbl. .79 - 1.16
Markham .....bbl. .90 - 1.29
Orange .....bbl. .79 - 1.16
Pettus .....bbl. 1.29 - —
Pierce Junction.....bbl. .95 - 1.41
Refugio (incl. Greta, Taft, Saxet)..bbl. .79 - 1.38
Saratoga .....bbl. .74 - 1.04
Sour Lake.....bbl. .74 - 1.04
Spindle Top.....bbl. .74 - 1.04
Sugarland .....bbl. .79 - 1.28
West Columbia.....bbl. .79 - 1.28
Kentucky, Tennessee:—
Big Sandy river.....bbl. 1.12 - —
Kentucky river.....bbl. 1.20 - —
Western Kentucky (Owensboro)..bbl. 1.10 - —
Louisiana, Arkansas:—
Bull Bayou.....bbl. .73 - 1.05
Caddo .....bbl. .73 - 1.05
Cameron Meadows.....bbl. .74 - 1.13
Choctaw .....bbl. .74 - 1.20
Cotton Valley.....bbl. .73 - 1.05
Darrow .....bbl. .74 - 1.20
De Soto .....bbl. .73 - 1.05
El Dorado.....bbl. .73 - 1.05
Haynesville .....bbl. .73 - 1.05
Homer .....bbl. .73 - 1.05
Iowa .....bbl. .74 - 1.13
Lockport .....bbl. .74 - 1.13
Miller County.....bbl. .73 - 1.05
Pine Island.....bbl. .73 - 1.05
Rainbow .....bbl. .73 - 1.05
Rodessa .....bbl. .73 - 1.05
Smackover .....bbl. .73 - —
Tepetate .....bbl. 1.05 - —
Urania .....bbl. .89 - —
Mexico, f.o.b. terminals Mexican ports—based on contract:—
Panuco .....bbl. No prices
Tuxpan .....bbl. No prices
Midcontinent:—
North Texas.....bbl. .51 - 1.10
Oklahoma-Kansas .....bbl. .63 - 1.10
Pennsylvania, Ohio West Virginia:—
Bradford-Allegany ....bbl. 1.65 - —
Corning .....bbl. .97 - —
Pennsylvania grade, in Buckeye lines..bbl. 1.18 - —
Eureka lines.....bbl. 1.28 - —
N. Y. Transit lines. bbl. 1.65 - —
S. W. Penn. lines..bbl. 1.34 - —
lower district in National Transit lines.bbl. 1.56 - 1.61
Rocky Mountain:—
Big Muddy.....bbl. .98 - —
Canon City-Florence...bbl. .90 - —
Cat Creek.....bbl. 1.10 - —
Dutton Creek.....bbl. .86 - 1.10
Elk Basin.....bbl. .90 - —
Fort Collins-Wellington, bbl. .51 - 1.05
Frannie, light.....bbl. .45 - .52
Grass Creek, light.....bbl. .90 - —
Iles .....bbl. .92 - .96
Lance Creek.....bbl. .77 - —
Lander .....bbl. .51¼- —
Midway .....bbl. .86 - 1.10
Rock Creek.....bbl. 1.00 - —
Salt Creek.....bbl. .86 - 1.10
Sunburst .....bbl. 1.20 - —
Torchlight .....bbl. 1.30 - —
South, Central and Southwestern Texas:—
Cass County .....bbl. .73 - 1.05
Cleveland-Liberty .....bbl. 1.14 - —
Conroe .....bbl. 1.27 - —
Darst Creek .....bbl. .96 - —
Hardin-Liberty .....bbl. 1.00 - 1.03
Luling .....bbl. .87 - —
Lytton Springs.....bbl. .99 - —
Mirando (incl. Duval).... bbl. .74 - 1.33
Panola County.....bbl. .73 - 1.03
Salt Flat .....bbl. .96 - —
Tomball .....bbl. .95 - 1.41
Van .....bbl. .93 - —
West Beaumont.....bbl. .79 - 1.28
Texas Panhandle:—
Carson-Hutchinson counties, bbl. .67 - 1.01
Gray County .....bbl. .72 - 1.06
West Texas:—
Artesia, N. M.....bbl. .61 - .85
Crane .....bbl. .53 - .95
Crockett .....bbl. .53 - .95
Ector .....bbl. .53 - .95
Eddy (N. M.) .....bbl. .77 - —
Howard .....bbl. .53 - .95
Jackson, N. M. .....bbl. .61 - .85
Lea, N. M. .....bbl. .53 - .95
Maljamar, N. M. .....bbl. .61 - .85
Mitchell .....bbl. .63 - .95
Pecos .....bbl. .65 - .87
Upton .....bbl. .53 - .95
Winkler .....bbl. .53 - .96

Petroleum, Ether, 30-60°, dms., c.l., G. 3..gal. .14 - —
l.c.l., G.3.....gal. .25 - —
tanks, G.3.....gal. .13 - —
35-60°, dms., l.c.l., G.3....gal. .30 - —
40-75°, dms., c.l., G.3....gal. .14 - —
l.c.l., G.3.....gal. .25 - —
tanks, G.3.....gal. .13 - —
laboratory grade, dms., c.l., G. 3..gal. .14 - —
c.l., G.3.....gal. .25 - —
10-gal. lots, G.3.....gal. .50 - —
Lacquer, diluent, at refinery:—
California, 100 i.b.p., 200 e.p., tanks, delvd. Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
f.o.b. Richmond....gal. .11 - —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
East Coast, tanks....gal. .12 - .12½
Group 3, tanks.....gal. .07⅝- .07⅝
Naphtha, cleaners', at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06⅝- .06⅝
tankwagon, Boston, ex tax, gal. .13 - —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax..gal. .17½- —
Decatur, inc. 4c. tax..gal. .194 - —
Des Moines, inc. 4c. tax.gal. .192 - —
Evansville, inc. ex tax.gal. .14½- .15½
Milwaukee, inc. 5c. tax, gal. .206 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .206 - —
Newark, ex tax.....gal. .13 - —
New York, ex tax.....gal. .10½- .11
Omaha, ex tax.....gal. .144 - .154
Philadelphia, ex tax...gal. .12½- —
St. Louis, inc. 1c. tax.gal. .16 - —
Solvent, rubber, at refinery, East Coast, tanks...gal. .09½- .10
Group 3 light, 120 i.b.p., 250 e.p., tanks..gal. .06⅝- .06⅝
standard, 180 i.b.p., 288 e.p., tanks..gal. .06⅝- .06⅝
Stoddard (CS 3-38), at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .05⅞- .06½
tankwagon, Boston, ex tax.. gal. .12½- .13½
Chicago, inc. 4c. tax..gal. .159 - —
Decatur, inc. 4c. tax..gal. .184 - —
Des Moines, inc. 4c. tax.gal. .182 - —
Evansville, Ind., ex tax.gal. .135 - .145
Milwaukee, inc. 5c. tax.gal. .196 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .177 - —
Newark, ex tax.....gal. .09½- .11½
New Orleans, ex tax...gal. .11 - —
New York, ex tax.....gal. .09½- .11½
Omaha .....gal. .131 - .14
Philadelphia, ex tax...gal. .10½- .12½
St. Louis, inc. 1c. tax.gal. .139 - —
Tulsa, ex tax.....gal. .10 - .11
Thinners, at refinery:—
California, 34, 325 i.b.p., 390 e.p., low anilin, 6,000 gal. tanks or transport trucks f.o.b. Los Angeles..gal. .15 - —
Portland, Ore.....gal. .16 - —
Richmond .....gal. .14½- —
Seattle, Wash....gal. .16½- —
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore., gal. .10½- —
Richmond .....gal. .10 - —
Southern Calif....gal. .09½- —
56, 200 i.b.p., 300 e.p., tanks, f.o.b. El Segundo, gal. .11 - —
Portland, Ore....gal. .12 - —
Richmond .....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks.gal. .09½- .10
47-49, tanks.....gal. .09½- .10
New Jersey, tanks.....gal. .08½- —
Group 3, tanks.....gal. .05⅝- .05⅝
Tankwagon, tax included:—
Albany .....gal. .13 - —
Baltimore (100 gals.)..gal. .12½- .15½
25-99 gals.....gal. .13½- .15½
Boston .....gal. .12½- .13½
Bound Brook, North Amboy, N. J..gal. .11½- .13½
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .12½- —
Camden, N. J.....gal. .10 - .12
Chicago .....gal. .162 - —
Decatur, Ill.....gal. .184 - —
Des Moines.....gal. .182 - —
Evansville, Ind.....gal. .137 - .147
Milwaukee .....gal. .196 - —
Minneapolis-St. Paul...gal. .198 - —
Newark .....gal. .09 - —
New York (200 gals.)..gal. .09½- .11
Omaha .....gal. .131 - .141
Philadelphia .....gal. .10 - —
Pittsburgh .....gal. .12 - .14
Providence .....gal. .12½- .13½
Rochester .....gal. .12 - —
St. Louis.....gal. .15 - —
Syracuse .....gal. .14 - —
Trenton .....gal. .11½- .14
Wilmington, Del.....gal. .11½- .13½
Phenobarbital, bots., 5 lbs....lb. 4.35 - —
bots. or cns., spot or contract, 100 lbs lb. 4.00 - —
cns., 25 lbs.....lb. 4.25 - —

Phenol, USP, dms., c.l., works, frt. equald..lb. .14½- .15½
l.c.l., same basis.....lb. .15½- .16¼
under 1,000 lbs.....lb. .16¼- .17¼
tanks, works.....lb. .13½- —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .90
Yellow, fib., dms., 2000-lb. lots., lb. .80 - —
100-lb. fib., dms.....lb. .82 - —
25-lb. dms. .....lb. .87 - —
50-lb. kgs. .....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.10 - 3.50
Dimethylacetate, cns. .....lb. 14.50 - 15.00
Phenylethylphenyl acetate, bots., lb. 7.90 - 15.50
Phenylhydrazine base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works..lb. 4.00 - —
commercial, kgs., works..lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins, works.lb. 20.00 - 22.00
tech., tins, works.....lb. 15.00 - 16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines, long ton. 2.15 - —
72% min., bulk, mines..... long ton. 2.40 - —
75% basis, 74% min., bulk mines..long ton. 2.90 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs. .....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works, lb. .11 - .12
l.c.l., dms., wks.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., tons.....lb. .35 - —
single bbls.....lb. .40 - —
kgs. .....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .14 Nom.
Pilocarpine hydrochloride, bots. vls..oz. 2.40 - 2.50
Nitrate, bots., vls.....oz. 2.90 - 3.00
Pimento, bgs.....lb. .14¾- .15¼
Pinkroot, bls. .....lb. .35 - .36
Pitch, Burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
hardwood, 1-time, dms., c.l., dlvd. Akron..ton. 23.75 - 24.00
linseed, dms. .....lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls. .....lb. 6.00 - 6.25
Plaster of paris (see Gypsum).
Pleurisy root, bls. .....lb. .11 - .12
Podophyllin, dms., dlvd., E. of Miss..lb. 4.50 - 4.70
Poke root, bls. .....lb. .07½- .08
Pomegranate bark, bgs.....lb. .16 - .17
Root bark, bgs.....lb. .32 - .33
Poppy flowers, red, bls.....lb. .70 - 1.00
Seed, Dutch, bgs.....lb. .09¾- .10¼
Polish, bgs.....lb. .09½- .10
Potash abietate .....lb. .09 - —
Acetate, tech., bbls., dlvd..lb. .26 - —
kgs., dlvd. .....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs. .....lb. .30 - —
cns., 25 lbs. .....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs. .....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs. .15 - —
kgs., 100 lbs.....lb. .17 - —
gran., bbls., 250 lbs.....lb. .15 - —
kgs., 100 lbs. .....lb. .17 - —
Bichromate, spot, c.l., works.lb. .08½- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., dlvd.....lb. .03 - —
l.c.l., dms.....lb. .03½- —
tanks, dlvd.....lb. .0287½- —
USP, gran., bbls., 325 lbs..lb. .13½ - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import, dms.....lb. .07 - .07½
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02⅞- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06⅝
import, dms.....lb. .06¼- .06⅝
Chlorate, cryst., kgs.....lb. .09¼- .09¾
gran., kgs.....lb. .12 - .13
powd., kgs.....lb. .08½- .09
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 - .06
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- .38½
Cyanide, cns., dms.....lb. .50 - .55
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots....lb. .90 - —
100-lb. lots.....lb. 1.00 - —
50-lb. lots, cbys. or cns. lb. 1.05 - —
25-lb. lots, cns.....lb. 1.15 - —
Guaiacolsulphonate, fib., dms. 100 lbs. 1.60 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns... 100 lbs. .30½- .32
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.31 - 3.35
cns., 25 lbs.....lb. 3.20 - —
Iodide, bbls., 250 lbs.....lb. 1.13 - —
bots., or cns.....lb. 1.22 - 1.48
dms. .....lb. 1.13 - 1.16
Kainit, 20% K_2O, bulk, c.l.f., ports..ton. 12.25 - —
Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.l.f. ports.....unit-ton. .58½- —
import, 30%, K_2O, bulk, shipt. unit-ton. .58½- —
Metabisulphite, kgs.....lb. .12 - .13½

Potash, muriate, dom., all strengths, min., 50% K_2O bulk..unit-ton.	.53½-	—	
import, all strngths, min. 80% KCl, basis 50% K_2O, bulk, c.i.f. ports.. unit-ton.	**.53½-**	**—**	
Potash muriate prices in bags are $2 per ton higher than bulk price.			
Oxalate, pure, cryst., kgs....lb.	.30	- .31	
tech., bbls.....lb.	.25	- .26	
Nitrate, crude, bgs., c.i.f. ports. ton.	55.00	Nom.	
Perchlorate, kgs., works.....lb.	.09	- .10½	
Permanganate, tech., dms...lb.	.18½	- .19	
Prussiate, red, bbls.....lb.	.30½	- .34	
Yellow, bbls. .....lb.	.15	- .16	
Ricinoleate, tech., bbls.....lb.	.13	- —	
Silicate alkaline, lump, bgs., lb.	.07	- —	
Sulphate, NF, cryst., bbls., 400 lbs..lb.	.13	- —	
kgs., 100 lbs.....lb.	.15	- —	
powd., bbls., 350 lbs.....lb.	.14	- —	
kgs., 100 lbs.....lb.	.16	- —	
tech., 90-95%, min. 90%, bgs., shipt., c.i.f. ports..ton.	38.00	- —	
l.c.l. .....lb.	.13½-	—	
Xanthate, dms., c.l. .....lb.	.13	- —	
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., ships. ton.	25.75	- —	
Potash-titanium oxalate, kgs...lb.	.35	- .40	
Prickly ash bark, bls.....lb.	.12	- .13	
Berries, bls.....lb.	No stocks		
Prince's pine herb, bls.....lb.	.21	- .22	
Propane, tanks, G.S.....gal.	.06	- —	
Psyllium seed (see Fleaseed).			
Pulsatilla, bls. .....lb.	.17	- .18	
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb.	.03	- —	
less than 3, works..lb.	.03½-	—	
F and 1, bbls., 3 or over, works..lb.	.03½-	—	
less than 3, works..lb.	.04	- —	
O, O-½, O-¾, and ½, bbls., less than 3, works..lb.	.04½-	—	
3 or over, works...lb.	.04	- —	
Ital-grd., bgs., c.l., shipt. ex dock, N.Y..ton.	32.65	Nom.	
l.c.l., 5-29 tons, ex whse., ton.	37.70	- —	
1,000-10,000 lbs., ex whse..ton.	38.70	- —	
2 bgs. to 1,000 lbs., ex whse..ton.	40.70	- —	
single bgs., ex whse.ton.	45.70	- —	
Pumpkin seed, bgs.....lb.	.09	- .10	
Purple lake (see Red).			
Putty, com'l, dms.....100 lbs.	3.00	- —	
linseed oil, raw, dms....100 lbs.	4.50	- —	
refined, dms.....100 lbs.	5.00	- —	
standard, dms.....100 lbs.	3.95	- —	
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrum (Seil test) 55-gal. dms. (incl.) frt. alld.. E. of Rockies, standard brand..gal.	5.95	- —	
basis (30 to 1) 3.6% pyrethrine 55-gal. dms., (incl.) frt. alld. E. of Rockies, standard brand..gal.	8.90	- —	
Pyrethrum, flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over..lb.	.26	- .27	
fine powd. Japan, bbls., ton lots frt. alld..lb.	.27	- .28	
Pyridin, denaturing, dms....gal.	1.63	- —	
refd., 2°, dms. .....lb.	.50	- —	
Pyrites, Spanish, bulk, c.i.f. Alt. ports..unit-ton.	.12-13	Nom.	
Pyrocatechin, CP, cryst, works, fib, dms., tins..lb.	2.15	- 2.40	
resublimed, fib. dms., tins..lb.	4.60	- —	
Pyrophyllite, standard, 200 mesh, c.l. mines..ton.	9.00	- —	
325 mesh, same basis.....ton.	12.00	- —	
No. 3, 200 mesh, c.l. mines. ton.	7.50	- —	
325 mesh, same basis.....ton.	10.50	- —	
Pyroxlin, scrap, amber, cs., works..lb.	.12	- —	
black, cs., works.....lb.	.10	- —	
China white, ivory, cs., works..lb.	.13	- —	
dense white, cs., works..lb.	.10	- —	
gray, cs., works.....lb.	.08	- —	
mixed, mottles, opaque, cs., works..lb.	.04	- —	
Pyroxlin, scrap, shell-dem., cs., works..lb.	.12	- —	
translucent pastels, cs., works..lb.	.10	- —	
transparent, cs., works...lb.	.20	- —	
colors, cs., works.....lb.	.12	- —	
shavings, amber, cs., works..lb.	.16	- —	
colors, mixed, cs., works.lb.	.10	- —	
white, cs., works.....lb.	.15	- —	

Q

Quassia chips, bls.....lb.	.05	- .06	
Quebracho extract, liquid, 35% tan, bbls., works..lb.	.03⅝-	—	
tanks, works.....lb.	.02⅞-	—	
solid, 63%, bgs., c.l., ex dock, plus duty..lb.	.04	- —	
clarified, 64%, bgs., c.l., same basis..lb.	.04¼-	—	
Queen of the meadow leaves, bgs..lb.	.07	- .08	
Root, bgs.....lb.	.09	- .10	
Quercitron, extract, liquid, 51°, bbls..lb.	.07½-	.08⅛	
solid, dms.....lb.	.10	- .15½	
Quicksilver, dom., flasks, (76 lbs. net), dlvd., N.Y..flask.	77.00	-80.00	
import, flasks, (76 lbs. net) in bond..flask.	64.00	- —	
Quince seed, bgs.....lb.	.80	- 1.00	
Quinidine, cryst., small, cns...oz.	.90	- —	
large, cns. .....oz.	.98	- —	
powd., precip., cans.....oz.	.91	- —	
Sulphate, cns. .....oz.	.67	- —	
Quinine, 100 ozs., cns.....oz.	.76	- —	
Acetate, cns.....oz.	.99	- —	
Arsenate, cns. .....oz.	.99	- —	
Arsenite, cns. .....oz.	1.01	- —	
Bisulphate, cns. .....oz.	.54	- —	
Citrate, cns. .....oz.	.72	- —	
Dihydrobromide, bots.....oz.	.75	- —	
Dihydrochloride, bots.....oz.	.75	- —	
Ethylcarbonate, cns.....oz.	.75	- —	
Ferrocyanide, cns. .....oz.	1.01	- —	
Formate, cns. .....oz.	.94	- —	
Glycerophosphate, cns.....oz.	1.14	- —	
Hydrochloride, cns.....oz.	.68	Nom.	
Hydrochlorosulphate, cns....oz.	.75	- —	
Hydriodide, cns.....oz.	.99	- —	
Hypophosphite, cns.....oz.	.99	- —	
Phosphate, cns. .....oz.	.82	- —	
Salicylate, cns. .....oz.	.73	- —	
Sulphate, U.S.P. X, cns.....oz.	.54	- —	
U.S.P. XI, cns.....oz.	.61	- —	
Sulphocarbolate, cns.....oz.	.97	- —	
Tannate, cns. .....oz.	.57	- —	
Tartrate, cns. .....oz.	.97	- —	
Valerate, cns. .....oz.	.93	- —	
Quinine-urea hydrochloride cns.oz.	.75	- —	

R

R, salt, dry, bbls.....lb.	.55	- —	
paste, dms. .....lb.	.52	- —	
Rapeseed, Belgian, bgs.....lb.	.06¼-	.06½	
Dutch, black, bgs.....lb.	.06¼-	.06½	
red, bgs.....lb.	.06⅝-	.07	
Japanese, bgs.....lb.	.06	- .06¼	
Raspberries, dried, bls.....lb.	.36	- .38	
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb.	1.10	- 1.90	
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalised with Chicago			
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb.	.85	- —	
smaller lots, same basis, lb.	.90	- —	
kgs., ton lots, same basis, lb.	.90	- —	
smaller lots, same basis, lb.	.95	- —	
light shade, bbls., ton lots, same basis..lb.	.70	- —	
smaller lots, same basis, lb.	.75	- —	
kgs., ton lots, same basis, lb.	.75	- —	
smaller lots, same basis, lb.	.80	- —	
light-medium shade bbls., ton lots, same basis..lb.	.75	- —	
smaller lots, same basis, lb.	.80	- —	
kgs., ton lots, same basis, lb.	.80	- —	
smaller lots, same basis, lb.	.85	- —	
maroon shade, bbls., ton lots, same basis..lb.	.95	- —	
smaller lots, same basis, lb.	1.00	- —	
kgs., ton lots, same basis, lb.	1.00	- —	
smaller lots, same basis, lb.	1.05	- —	
medium shade, bbls., ton lots, same basis..lb.	.80	- —	
small lots, same basis, lb.	.85	- —	
kgs., ton lots, same basis, lb.	.85	- —	
smaller lots, same basis, lb.	.90	- —	
selenide, bbls., dark, works, lb.	2.50	- —	
light, works.....lb.	2.25	- —	
Orange, bbls., 100-lb. lots, works..lb.	1.50	- —	
Carmine, 40 1-lb. cns., 500 lbs., lb.	4.15	- —	
dms., 500-lb. lots.....lb.	4.00	- —	
100-lb. lots .....lb.	4.10	- —	
Crocus martis (see Red, purple oxide.)			
Eosin toner, bbls.....lb.	1.50	- 1.60	
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb.	.03¾-	—	
80%-85%, bbls., same basis..lb.	.07¼-	—	
Iron oxide (see Red, oxide).			
Lake C toner, bbls., same basis alizarin lake, contracts.lb.	1.25	- —	
open order.....lb.	1.30	- —	
Lithol toner, bbls., same basis, alizarin lake, contrs..lb.	.68	- —	
open order.....lb.	.73	- —	
Rose lake, bbls.....lb.	.20	- .30	
Pink, bbls.....lb.	.15	- .20	
Lithol-rubin toner, bbls., same basis alizarin lake..lb.	1.85	-	
Maroon lake, 25%, kgs., same basis alizarin lake conracts. lb.	.40	- —	
Oxide (see Red, purple oxide).			
Mercury oxide, tech., dom., bbls. lb.	1.36	- —	
Metallic, bbls., Pa., works...lb.	.02	- —	
Orange, Persian (see O).			
Oxide, pure, bbls., c.l., works, lb.	**.08½-**	**—**	
l.c.l., works.....lb.	**.09¼-**	**—**	
shell, dom., cs., works.....lb.	.12	- —	
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y..lb.	.08¼-	—	
80% copperas oxide, bbls., same basis..lb.	**.07⅝-**	**—**	
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb.	.75	- —	
open order .....lb.	.80	- —	
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb.	.04½-	.04⅝	
ex whse., Chicago, St. Louis..lb.	.05⅜-	—	
San Fran., Los Ang., Portland, Seattle..lb.	.05	- —	
Phloxin toner (see Red, Eosin toner)			
Phosphotungstic rhodamine Y, kgs..lb.	3.90	- —	
Purple lake, kegs.....lb.	**.60**	**- 1.00**	
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb.	.08	- —	
Toner, kgs.....lb.	1.50	- 2.00	
Scarlet ink toner, kgs, same basis alizarin lake..lb.	**.50**	**- —**	
Lake, kgs., same basis alizarin lake..lb.	**.25**	**- .50**	
Spanish, oxide, bbls., f.o.b. N.Y..lb.	.03⅜-	.0390	
Toluidin toner, kgs., same basis alizarin lake..lb.	1.35	- —	
Tuscan, bbls., f.o.b. N. Y., E St. Louis..lb.	.11	- .40	
Venetian, bbls., works.....lb.	.0220-	—	
10%, bbls., works.....lb.	.0245-	—	
15%, bbls., works.....lb.	.0255-	—	
20%, bbls., works.....lb.	.02⅝-	—	
25%, bbls., works.....lb.	.03	- —	
30%, bbls., works.....lb.	.03¼-	—	
35%, bbls., works.....lb.	.0360-	—	
40%, bbls., works.....lb.	.04	- —	
Red, vermilion, Amer., bbls., same basis alizarin lake..lb.	.15	- —	
quicksilver, bbls., 500 lbs..lb.	1.50	- —	
smaller lots.....lb.	1.51	- 1.64	
Red dyes are listed under Dyes.			
Red precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb.	**1.61**	**- —**	
Red saunders wood, ground, bbls. lb.	**.12**	**- .17**	
Resorcinol, tech., dms., works.lb.	**.75**	**- .80**	
USP. cryst., bbls., works...lb.	**1.50**	**- 1.55**	
Rhatany root, bgs.....lb.	**.09**	**- .10**	
Rhodinol, bots. .....lb.	**5.75**	**- 6.75**	
Rhubarb root, cs.....lb.	**.35**	**- .36**	
powd., bbls., kgs.....lb.	**.40**	**- .41**	
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb.	**.17¾-**	**—**	
smaller lots.....lb.	.18¼-	—	
powd., bbls., 5,000 lbs., 1 shipt..lb.	.16¾-	—	
smaller lots.....lb.	.17¼-	—	
Rose flowers, pale, bls.....lb.	.45	Nom.	
red, bls.....lb.	2.25	- 2.30	
Rosemary flowers, bls.....lb.	.25	- .30	
Leaves, bls.....lb.	.05	- .06	
Rosin, gum B, bbls., ex dock, 280 lbs.	4.95	- —	
D, bbls.....280 lbs.	5.15	- —	
E, bbls.....280 lbs.	5.35	- —	
F, bbls.....280 lbs.	5.65	- —	
G, bbls.....280 lbs.	5.90	- —	
H, bbls.....280 lbs.	5.90	- —	
I, bbls.....280 lbs.	5.90	- —	
K, bbls.....280 lbs.	5.90	- —	
M, bbls.....280 lbs.	6.00	- —	
N, bbls.....280 lbs.	6.85	- —	
W. G., bbls.....280 lbs.	7.15	- —	
W. W., bbls.....280 lbs.	7.75	- —	
X, bbls.....280 lbs.	7.75	- —	
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.	22.50	- —	
l.c.l., f.o.b. mines.....ton.	25.00	- —	
import., lump, bbls.....lb.	.12	- —	
powd., bbls.....lb.	.08½-	.10	
Rue, bls.....lb.	.15	- .16	

S

Sabadilla seed, powd., bbls....lb.	.18	- .19	
Saccharin, dms., 100 lbs.....lb.	1.45	- —	
cns., 25 lbs.....lb.	1.48	- 1.50	
Safflower, bls. .....lb.	.22	- .23	
Saffron, Mexican, bls.....lb.	.28	- .29	
Spanish, tins.....lb.	26.00	-27.00	
Safrol, cns. .....lb.	.52	- .53	
dms. .....lb.	.50	- .51	
Sage, Dalmatian, stemless....lb.	.05¾-	.06	
garden, bls. .....lb.	.06¼-	.06½	
Sago flour, bgs.....lb.	.02½-	.03¼	
Salicin, bots., 5 lbs.....lb.	5.00	- —	
cns., 25 lbs.....lb.	4.75	- —	
Salol, gran., bbls., 200 lbs....lb.	.90	- —	
bxs., 25 lbs.....lb.	.93	- —	
kgs., 100 lbs.....lb.	.90	- —	
powd., fib. dms., 25 lbs.....lb.	1.03	- —	
kgs., 100 lbs.....lb.	1.00	- —	
Salt, rock, bgs., dlvd., N. Y..ton.	13.20	-13.80	
l.c.l., bgs., dlvd., N.Y..ton.	15.00	-15.60	
vacuum, common, fine, bgs., c.l., dlvd., N.Y..ton.	15.30	- —	
l.c.l., dlvd., N. Y.....ton.	16.30	-21.00	
Saltcake, grd., dom., bbls., works, ton.	19.00	-25.00	
bulk, works .....ton.	15.00	- —	
import, bulk, c.i.f.....ton.	15.00	-16.00	
Chrome (see Chrome cake).			
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls...100 lbs.	7.50	- 8.25	
1-9 tons .....100 lbs.	7.65	- 8.40	
less than ton lots..100 lbs.	7.90	- 8.65	
gran., bbls., 10-20 tons.100 lbs.	6.50	- —	
1-9 tons .....100 lbs.	6.65	- —	
less than ton lots..100 lbs.	6.90	- —	
powd., bbls., 10-20 tons.100 lbs.	7.50	- —	
1-9 tons.....100 lbs.	7.65	- —	
less than ton lots..100 lbs.	7.90	- —	
Santonin, cryst., cns.....lb.	21.00	-22.00	
Saponin, crude, cns.....lb.	1.45	- —	
purified, bots, 5 lbs.....lb.	1.65	- —	
cns., 25 lbs.....lb.	1.50	- —	
Sarsaparilla root, Honduras, bls.lb.	.38	- .40	
Mexican, bls.....lb.	.13	- .14	
Sassafras, bark, ord., bls.....lb.	.13	- .15	
select, bls.....lb.	.18	- .20	
Savory, bbls. .....lb.	.07¾-	.08	
Saw palmetto berries, bgs.....lb.	.07	- .07½	
Scammony root, bgs.....lb.	.06	- .07	
Schaeffer's salt, bgs.....lb.	.46	- —	
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb.	.13¾-	—	
smaller lots.....lb.	.14¾-	—	
kegs, 5,000 lbs., 1 shipm't..lb.	.14¾-	—	
smaller lots.....lb.	.14¾-	—	
Selenium, pwd., A, 10-lb. tins..lb.	2.00	- —	
100-lb. cases.....lb.	1.75	- —	
Senega, root, bls.....lb.	.65	- .70	
Senna leaves, Alexandria, bls..lb.	.10	- .14	
siftings, bls.....lb.	.08½-	.09	
Tinnevelly, No. 1, bls.....lb.	.09	- .10	
2 bls.....lb.	.07	- .08	
3 bls.....lb.	.04¾-	.05½	
powd., bbls., bxs.....lb.	.09	- .10	
Pods, bls.....lb.	.05½-	.06	
Serpentaria root, bls.....lb.	.70	- .75	
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb.	.19	- .20	
dlvd. Boston.....lb.	.19½-	.20½	
Chicago .....lb.	.19¾-	.20⅜	
Pacific Coast.....lb.	.22	- .23	
refd., bbls., f.o.b. N.Y.....lb.	.25	- —	
dlvd. Boston.....lb.	.25½-	—	
Chicago .....lb.	.25⅜-	—	
Pacific Coast.....lb.	.28	- —	
Garnet, bgs.....lb.	.12½-	.13	
Orange, D.C., VSO., Diamond, cases..lb.	.20	- .21	
Superfine, bgs., f.o.b. Bost. N. Y..lb.	.11	- .11½	
dlvd. Chicago.....lb.	.11½-	.12	
Pacific Coast.....lb.	.14½-	.15	
T.N., bgs., f.o.b. Bost., N. Y. lb.	.10½-	.11	
dlvd. Chicago.....lb.	.11	- .11½	
Pacific Coast.....lb.	.13½-	.14	
Shellac varnish, orange, 5-lb. cut, bbls..gal.	.90	- .95	
4½-lb. cut, bbls.....gal.	.85	- .90	
4-lb. cut, bbls.....gal.	.80	- .85	
white, 5-lb. cut, bbls.....gal.	1.00	- 1.10	
4½-lb. cut, bbls.....gal.	.95	- 1.05	
4-lb. cut, bbls.....gal.	.90	- 1.00	
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works..ton.	17.00	- —	
l.c.l., 2½ tons, works..ton.	19.00	- —	
smaller lots, works..ton.	20.00	- —	
wet-grd., 95-97%, 325 mesh., bgs., c.l., works..ton.	18.00	- —	
l.c.l., 2½ tons, work..ton.	19.50	- —	
smaller lots, works..ton.	21.00	- —	
400 mesh, bgs., c.l., works, ton.	35.00	- —	
l.c.l., 2½ tons, works..ton.	36.50	- —	
smaller lots, works..ton.	38.00	- —	
wet-grd., 96-98%, 325 mesh, bgs., c.l., works..ton.	20.00	- —	
l.c.l., 2½ tons, works..ton.	21.50	- —	
smaller lots, works..ton.	23.00	- —	
90%, 325 mesh bgs., c.l., works..ton.	22.00	- —	
l.c.l., 2½ tons, works..ton.	25.50	- —	
smaller lots.....ton.	27.00	- —	
hard-quartz, 140 mesh, bgs., c.l., works.....ton.	11.00	- —	
l.c.l., works.....ton.	16.00	- —	
Silver bullion.....oz.	.42¾-	—	
Govt. purchase.....oz.	.6464-	—	
Cyanide, cns., 1,000 ozs.....oz.	.39½-	—	
500-999 ozs.....oz.	.39⅝-	—	
80-499 ozs.....oz.	.39⅝-	—	
16-79 ozs.....oz.	.42¼-	—	
Nitrate, vis.....oz.	.31½-	.33⅛	
Nucleinate, bots., cns., 480 ozs., oz.	.30	- .31	
Proteinate, bots., cns., 480 ozs., oz.	.29	- .30	
Simarubra bark, bls.....lb.	.26	- .28	
Skatol, bots.....lb.	75.00	-80.00	
Skullcap, Eastern, bls.....lb.	.16	- .17	
Western, bls.....lb.	.14	- .17	
Skunk cabbage root, bls.....lb.	.15	- .17	

Potash, Muriate—Soda, Caustic

Slate flour, bgs., c.l., works..ton.	9.00	- —	
l.c.l., works.....ton.	10.00	-15.00	
Sloe berries, bgs.....lb.	.10	- .11	
Smalt, black, extra velvet, cnts., lb.	.05	- .06	
Blue, cts.....lb.	.07	- .08¼	
Snakeroot, Canada, bls.....lb.	.24	- .26	
Soapbark, bls.....lb.	.07	- .08	
crushed, bls., bbls.....lb.	.11	- .12	
cut, bls., bbls.....lb.	.09½-	.10	
powd., bbls.....lb.	.13	- .14	
Soda abietate, dms.....lb.	.11	- —	
acetate, anhyd., dms., dlvd..lb.	.08¼-	.10	
flake, gran., powd., 60%, dms., c.l., dlvd..lb.	.04	- —	
l.c.l., dlvd. ....lb.	.04½-	.05	
powd., 90%, dms., c.l., dlvd. lb.	.06	- —	
l.c.l., dlvd. .....lb.	.06¾-	—	
Alginate, dms. .....lb.	.70	- —	
Antimoniate, bbls.....lb.	.12	- .12⅛	
Arsenate, dms., dealers, c.l., works..lb.	.08	- —	
l.c.l., dms., works.....lb.	.08¼-	—	
Arsenite, dry, gray, dms., c.l., dealers' works..lb.	.07½-	.08¼	
l.c.l., dms., works.....lb.	.08	- .10	
white, dms., c.l., dealers' works..lb.	.09	- .11	
l.c.l., dms., works.....lb.	.09½-	.11¼	
liquid, 50 gls., dms.....gal.	.65	- —	
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.			
Ash, dense, 58%, bgs., c.l., works..100 lbs.	1.10	- —	
l.c.l., Zone 1.....100 lbs.	2.13	- —	
2 .....100 lbs.	2.28	- —	
3 .....100 lbs.	2.33	- —	
4 .....100 lbs.	2.93	- —	
bbls., c.l., works..100 lbs.	1.35	- —	
l.c.l., Zone 1.....100 lbs.	2.35	- —	
2 .....100 lbs.	2.50	- —	
3 .....100 lbs.	2.75	- —	
4 .....100 lbs.	3.15	- —	
bulk, c.l., works....100 lbs.	.95	- —	
extra light, 58%, bgs., c.l., works..100 lbs.	1.08	- —	
l.c.l., Zone 1.....100 lbs.	2.08	- —	
2 .....100 lbs.	2.23	- —	
3 .....100 lbs.	2.48	- —	
4 .....100 lbs.	2.83	- —	
bbls., c.l., Zone 1..100 lbs.	1.45	- —	
2 .....100 lbs.	2.60	- —	
3 .....100 lbs.	2.90	- —	
4 .....100 lbs.	3.25	- —	
l.c.l., Zone 1.....100 lbs.	2.45	- —	
bulk, c.l. .....100 lbs.	.90	- —	
light, 58%, bgs., c.l., works, 100 lbs.	1.05	- 1.08	
l.c.l., Zone 1.....100 lbs.	2.08	- —	
2 .....100 lbs.	2.23	- —	
3 .....100 lbs.	2.48	- —	
4 .....100 lbs.	2.88	- —	
bbls., c.l., works.....100 lbs.	1.35	- —	
l.c.l., Zone 1.....100 lbs.	2.35	- —	
2 .....100 lbs.	2.50	- —	
3 .....100 lbs.	2.75	- —	
4 .....100 lbs.	3.15	- —	
bulk, c.l.....100 lbs.	.90	- —	

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louus), N. C., Omaha, S. C., Tenn.; Zone 3, Ark., Kan. (W. of Wchita), La., Neb. (except Omaha), N. D., Okla., S. D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N. M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Benzoate, tech., bbls., 4,000 lbs. or more..lb.	.39	- —	
1,000 to 3,900 lbs.....lb.	.40	- —	
500 lbs. or less.....lb.	.43	- —	
USP, bbls., 4,000 or more..lb.	.46	- —	
1,000 to 3,900 lbs.....lb.	.47	- —	
900 lbs. or less.....lb.	.50	- —	
dms., 4,000 lbs., or more. lb.	.47	- .48	
1,000 to 3,900 lbs.....lb.	.48	- .49	
900 lbs. or less.....lb.	.51	- .52	
Bicarbonate, USP, gran., bbls., c.l., works..100 lbs.	2.25	- —	
powd., bbls., c.l., works, 100 lbs.	1.85	- —	
l.c.l., dlvd. N. Y.100 lbs.	2.51	- —	
kgs., c.l.....100 lbs.	2.10	- —	
l.c.l., dlvd. N. Y.100 lbs.	2.76	- —	
tech., bbls., c.l., wks..... 100 lbs.	1.70	- —	
l.c.l.....100 lbs.	2.05	- —	
bgs., c.l.....100 lbs.	1.55	- 1.60	
l.c.l., bgs.....100 lbs.	1.90	- 1.95	
Bichromate, spot, c.l., works, lb.	.06⅞-	—	
l.c.l., 6 cks. or 10 bbls. or over, works..lb.	.07	- —	
5 cks. or 9 bbls. or less, works..lb.	.07¼-	—	
Bifluoride, bbls.....lb.	.11¼-	.12	
Bisulphite, powd., bbls., c.l., bbls., wks.....100 lbs.	3.30	- 3.55	
l.c.l., works.....100 lbs.	3.50	- 3.60	
Solution, 32 deg., bbls., c.l., works..100 lbs.	1.30	- —	
l.c.l., bbls., works..100 lbs.	1.55	- —	
33 deg., bbls., c.l., works, 100 lbs.	1.35	- —	
l.c.l., bbls., works.100 lbs.	1.60	- —	
35 deg., bbls., c.l., works, 100 lbs.	1.40	- —	
l.c.l., bbls., works.100 lbs.	1.65	- —	
40 deg., bbls., works.100 lbs.	1.55	- —	
l.c.l., bbls., works.100 lbs.	1.80	- —	
Bromide, USP, gran., bbls., 500 lbs..lb.	.31	- —	
fiber dms., 100 lbs.....lb.	.32	- —	
Cacodylate bots., 5 lbs.....lb.	5.81	- —	
jars 25 lbs.....lb.	6.50	- —	
Carbonate (see Soda ash, soda monohydrated, soda sal)			
Caustic, flake, 76%, 1, gr. powd., ammon. process, bbls., c.l., works..100 lbs.	2.95	- —	
dms., c.l., works...100 lbs.	2.70	- —	
l.c.l., Zone 1....100 lbs.	3.55	- 4.90	
2 .....100 lbs.	3.70	- 5.05	
3 .....100 lbs.	3.95	- 5.30	
4 .....100 lbs.	4.35	- 5.70	
electro process, dms., c.l., works..100 lbs.	2.70	- —	

l.c.l. same zone prices as ammonia process.

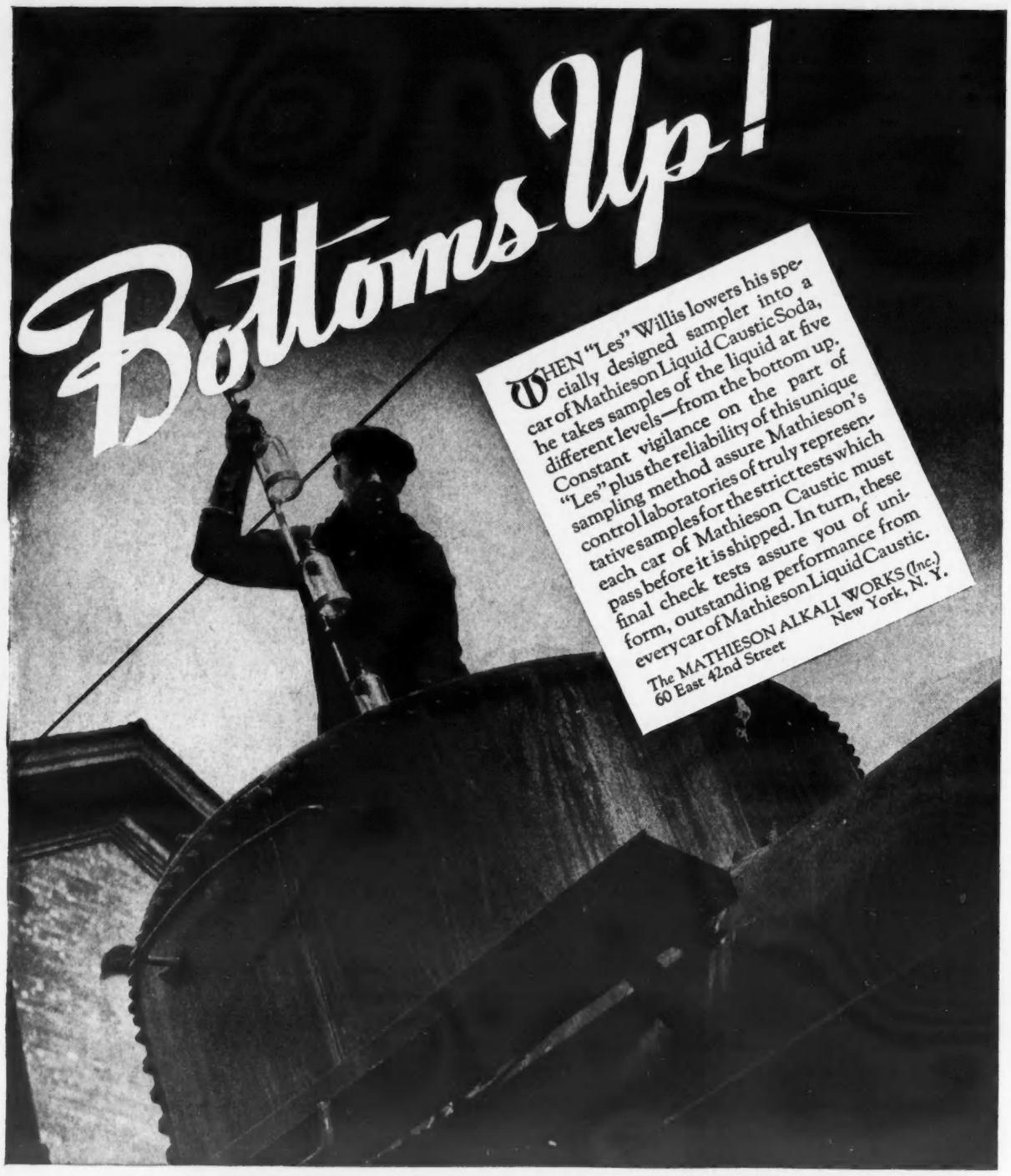
liquid, 47-49% buyer's tanks, works..100 lbs.	1.92½-	—	
seller's tanks, works, 100 lbs.	1.95	- —	
70%, buyers' tanks, works, 100 lbs.	1.97½-	—	
seller's tanks, works, 100 lbs.	2.00	- —	

Soda Caustic—Strychnine

Soda, caustic, solid, 76%, ammon. process, dms., c.l., works, 100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Citrate, U.S.P., VIII, gran. bbls...225 lbs. .19½- —
cns., 50 lbs.....lb. .21½- —
25 lbs.....lb. .23½- .24½
kgs., 100 lbs.....lb. .20½- —
USP XI, gran., bbls., 250 lbs. lb. .26 - —
cns., 50 lbs.....lb. .28 - —
25 lbs.....lb. .30 - .31
kgs., 100 lbs.....lb. .27 - —
powd., bbls., 250 lbs.....lb. .28½- —
cns., 50 lbs.....lb. .28½- —
25 lbs.....lb. .30½- .31½
kgs., 100 lbs.....lb. .27½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. .12¾- .13¾
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Soda, fluoride, white, 90%, bbls., c.l., f.o.b. Phila...lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9, same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —
95%, bbls., c.l., same basis, lb. .07½- —
l.c.l., 10 or over, same basis..lb. .08 - —
5-9 same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —
Soda fluoride prices at Los Angeles are f.a.s. Phila.
Glycerophosphate, N. F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
powd., bbls., 1,000-lb. lots.lb. 1.05 - —
smaller lots.....lb. 1.20 - —
cns., 25 lbs.....lb. 1.45 - —
Hydrosulphite, bbls.....lb. .16 - .17
Hydroxide, USP., sticks, cns. 100 lbs. .20½- .22
Hypophosphite, N.F., cns.... 100 lbs..lb. .67 - —
Hyposulphite, cryst., large, bgs, c.l., wks, frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks., frt. equal'd..100 lbs. 2.50 - —
bbls., same basis..100 lbs. 2.70 - —
100 lbs. 2.40 - 2.65
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., wks.....100 lbs. 2.95 - 3.20
dms., wks.....100 lbs. 3.25 - 3.60
Soda, hyposulphite, pea, 2,500 to 5,000 lbs., bgs., wks., 100 lbs. 2.85 - 3.10
bbls., wks.....100 lbs. 3.05 - 3.30
dms., wks.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., wks., 100 lbs. 3.10 - 3.35
bbls., wks.....100 lbs. 3.30 - 3.55
dms., wks.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., wks., 100 lbs. 3.70 - 3.95
bbls., wks.....100 lbs. 3.90 - 4.15
dms., wks.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.10 - —
bots.....lb. 2.21 - 2.47
Mandelate, bots., 5 lbs.....lb. 3.30 - —
fib. dms., 25 lbs.....lb. 3.15 - —
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, ground, dms., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.40 - —
cryst., dms., c.l.....100 lbs. 2.90 - —
gran., bbls., c.l., wks...100 lbs. 2.20 - —
Molybdate, kgs., wks.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthenate, bbls.....lb. .19 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., Jan.-June delivery, f.o.b. cars producing point or ports, rail or boat shipment..ton.29.00 - —
200-lb. bgs., same basis.ton.28.30 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
pwd., bbls., ton lots.100 lbs. 5.65 - —
smaller lots.....100 lbs. 5.90 - —
Soda, nitrite, 96-98%, dom., bbls., c.l., wks, frt. equalized, lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11¼
Soda nitrite l.c.l price range represents delivery at various points.
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .11 - —
Perborate, N. F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Phosphate, dibasic, tech., bgs., c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.45 - —
monobasic, anhyd., bbls., c.l., 100 lbs. 7.45 - —
l.c.l. .....100 lbs. 8.20 - —
tribasic, bgs., c.l., works.. 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.40 - —
bbls., c.l., works...100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
kgs., c.l., works....100 lbs. 2.70 - —
l.c.l., works .....100 lbs. 3.10 - —
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., works, lb. .09½- .10
Pyrophosphate, anhy., bgs., c.l., wks., frt. equal'd., 100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - —
bbls., c.l., wks., frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis..100 lbs. 5.55 - —
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y....100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquisilicate, dms., c.l., works, 100 lbs. 3.00 - —
20 dms., and up, dlvd.N.Y.C. 100 lbs. 3.65 - —
5-19 dms .....100 lbs. 4.10 - —
1-4 dms. .....100 lbs. 4.30 - —
Silicate, 40° turbid., dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1-4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .04½- .04¾
import, bbls.....lb. .04 - .04½
Stannate, dms.....lb. .31½- .34½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite).
Tungstate, CP, kgs.....lb. 1.75 - 1.85
tech., kgs.....lb. 1.05 - 1.10
Solvent, high-flash, dms., works, frt., equald..gal. .31 - —
tanks, same basis.....gal. .26 - —
naphtha, solvent, dms., works, gal. .31 - —
tanks, E. of Omaha, frt., alld. gal. .26 - —
W. coast, f.o.b., Minnequa, Colo..gal. .26 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .15½- —
l.c.l. .....lb. .16 - —
Sparteine sulphate, cns.....oz. 1.00 - 1.05
Spearmint leaves, bls.....lb. .18 - .19
Spikenard root, bls.....lb. .12 - .13
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01½- —
powd., super, bgs, c.l., works. lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks, works.....lb. .01⅝- —
Squawvine leaves, bls.....lb. .11 - .12
Squill red, bls.....lb. .14 - .15
white, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .12 - .13
St. Ignatius beans, bgs.....lb. .45 - .50
St. John's bread, bls.....lb. .06½- .07
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.50 - 2.70
dlvd., N. Y.....100 lbs. 2.85 - 3.05
powd., bgs., f.o.b. Chicago. 100 lbs. 2.60 - 2.80
dlvd., N. Y.....100 lbs. 2.95 - 3.15
Potato, dom., bgs.....lb. .04 - .05
import, bgs.....lb. .05 - .06
Rice, bbls.....lb. .06¼- .07¼
Wheat, thick boil, bbls.....lb. .06¼- —
Staveacre seed, bgs.....lb. .14 - .15
Stearin, oleo, bbls.....lb. .06¾- .07
Stillingia, root, bls.....lb. .08 - .09
Stoneroot, bls.....lb. .07½- .08
Storax, cs. .....lb. .48 - .49
Stramonium leaves, bls.....lb. .13½- .14
Seed, bgs. .....lb. .09 - .10
Strontium bromide, fib, dms...lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .30 - —
25-lb. bxs.....lb. .35 - —
100-lb. kgs.....lb. .32 - —
tech., 99-100 pc., precip., bbls., lb. .16½- .17½
Chloride, bbls. .....lb. .11 - .12½
Iodide, bots., 5 lbs.....lb. 2.90 - —
jars, 25 lbs.....lb. 2.85 - —
Nitrate, dom., bbls., c.l., works..lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 1.05 - 1.10
Styralyl acetate, bots.....lb. 6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots..oz. .40 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .66 - —
Arsenate, 25-oz., cns., 100-oz. lots..oz. .68 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .66 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .67 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .66 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .77 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .60 - —


Bottoms Up!
WHEN "Les" Willis lowers his specially designed sampler into a car of Mathieson Liquid Caustic Soda, he takes samples of the liquid at five different levels—from the bottom up. Constant vigilance on the part of "Les" plus the reliability of this unique sampling method assure Mathieson's control laboratories of truly representative samples for the strict tests which each car of Mathieson Caustic must pass before it is shipped. In turn, these final check tests assure you of uniform, outstanding performance from every car of Mathieson Liquid Caustic.
The MATHIESON ALKALI WORKS (Inc.)
60 East 42nd Street New York, N. Y.

MATHIESON CHEMICALS

SODA ASH . . . CAUSTIC SODA . . . BICARBONATE OF SODA . . . LIQUID CHLORINE . . . BLEACHING POWDER
HTH AND HTH-15 . . . AMMONIA, ANHYDROUS AND AQUA . . . PH-PLUS (FUSED ALKALI) . . . SULPHUR CHLORIDE
CCH (INDUSTRIAL HYPOCHLORITE) . . . . DRY ICE (CARBON DIOXIDE ICE) . . . ANALYTICAL SODIUM CHLORITE

Strychnine, phosphate, 25-oz. cns., 100-oz. lots..oz. .67 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .42 - —
powd., cns., 100-oz. lots, oz. .32 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.10
Milk, bbls., c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb. bots.....lb. 1.65 - —
fib., dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk, 1,000 tons, mines, contracts, long ton.16.00 - —
ex vessels, Atlantic seaboard..long ton.20.50 - —
Flowers, bgs., c.l., works.... 100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works..100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
Refined, broken, bgs., c.l., works..100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works, 100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.35
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works.....100 lbs. 3.20 - —
l.c.l., bgs., works.....lb. 3.20 - 3.60
bbls., works.....lb. 3.55 - 3.95
heavy, bgs., c.l., wks..100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works, 100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works. 100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works, 100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works.100 lbs. 2.50 - 2.90
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
Rubber maker's, com'l, 99½%, c.l., frt. alld....100 lbs. 2.00 - —
bbls., same basis, c.l. 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
bbls., same basis.100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l....lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .05
refrigeration, cyls., works.lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - —
Sumac, grd., Sicilian, bls....ton.67.00 - —
leaf, bales.....ton.73.00 - —
Extract, 42°, bbls.....lb. .05¼- .06¼
51°, bbls.....lb. .06½- .08½
stainless, bbls.....lb. .06½- .08½
Sunflower seed, Calif., large, bgs., lb. .06¾- .06¾
medium, bgs.....lb. .05 - .05½
poultry, bgs.....lb. .0400- .0430
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 8.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 7.50 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 - —

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N.Y., fibrous, 93-94%, 325 mesh bgs., c.l., mills.. ton.14.00 - —
l.c.l., mills.....ton.16.00 - —
96-98%, 325 mesh, bgs., c.l., mills..ton.15.00 - —
l.c.l., mills.....ton.17.00 - —
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25 - —
l.c.l., mills.....ton.17.25 - —
90.85-99.95%, 325 mesh, bgs., c.l., mills...ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake, type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills. ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills....ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -32.50
Italian, 1, bgs., ex dock, arrival. ton.65.00 -67.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls....lb. .06¾ Nom.
extra, loose, works.....lb. .05½- —
special, loose, works.....lb. .05¾- —
vegetable, ship., cs.....lb. .06½Nom.
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾- .04¾
l.c.l. .....lb. .04¾- .05¾
50% (43% fats), dms., c.l. lb. .05¾- .05¾
l.c.l. .....lb. .06¾- .06¾
50% (48% fat), dms., c.l....lb. .05¾- .06¾
l.c.l. .....lb. .06¾- .07¾
Tamarind, W. I., bbls.....lb. .05 - .05½
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-12%, ammon., 15-20% b.p.l., bulk..unit-ton. 3.35 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk, unit-ton. 3.35 & .10
fertilizer grade, 10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 3.65 & .10
high-grade feeding, bulk, Chicago..unit-ton. 3.90 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f., ports, ship.unit-ton. 3.10 & .10
Tansy leaves, bls.....lb. .18 - .19
Tapioca flour, bgs.....lb. .02 - .04
Tar acid oil, 15%, dms., c.l., works..gal. .21 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .28 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
dlvd., ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tarragon herb, bgs.....lb. .30 - .31
Tartar emetic tech., fine gran., bbls., 5 or more..lb. .27¾- —
less than 5.....lb. .28 - —
powd., bbls., 5 or more..lb. .27¾- —
less than 5.....lb. .28 - —
USP, powd., bbls.....lb. .33 - .33½
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .77 - .85
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .25 - —
dms. .....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms.,works.lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech., dms. .....lb. .09½- —
Tetralin, dms. .....lb. .12 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 90% pure, dms, works..lb. 7.25 - 7.50
Theobromine, cns. .....lb. 2.10 - 2.40
Sodiosalicylate, cns. .....lb. 1.75 - 1.85
5-lb. bots. .....lb. 2.01 - —
Thiocarbanilide, dms. .....lb. .24 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .12 - .12½
Thymol, dms., 100 lbs.....lb. 1.40 - —
cns., 25 lbs. .....lb. 1.45 - —
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs.....lb. 3.35 - 3.40
Timbo root, powd., 4% rotenone, bbls..lb. .18 - .26
5% rotenone, bbls.....lb. .22 - .30
Tin chloride (ous), anhyd.....lb. .44½- .45
Crystals, bbls., kgs.....lb. .36½- .37
Metal, Straits.....lb. .46¾- —
Oxide, bbls.....lb. .50 - .52
Tetrachloride, anhyd., bbls...lb. .23¾- —
Titanium, dioxide, bgs., c.l. (20 tons), E. frt. pd..lb. .14 - —
Pac. cst., f.o.b. terminals..lb. .15 - —
l.c.l., 5 tons, E. frt. pd. pd..lb. .14¼- —
Pac. cst., ex whse..lb. .15¼- —
1,000-9,999 lbs., E. frt. pd..lb. .14½- —
Pac. cst., ex whse..lb. .15½- —
50-999 lbs., E. frt. pd. lb. .14¾- —
Pac. cst., ex whse..lb. .15¾- —
under 50 lbs., E. frt. pd. lb. .17 - —
Pac. cst., ex whse..lb. .18 - —
bbls., c.l. (20 tone), E. frt. pd..lb. .14¼- —
l.c.l., 5 tons, E. frt. pd. lb. .14½- —
1,000-9,999 lbs., frt. pd. lb. .14¾- —
50-999 lbs., frt. pd....lb. .15 - —
pathalate-treated, bgs., c.l., (20 tons), E. frt. pd..lb. .22 - —
Pac. cst., f.o.b., terminal..lb. .23 - —
l.c.l., 5 tons, E. frt. pd. lb. .22¼- —
Pac. cst., ex whse..lb. .23¼- —
1,000-9,999 lbs., E. frt. pd..lb. .22½- —
Pac. cst., ex whse..lb. .23½- —
50-999 lbs., frt. pd....lb. .22¾- —
Pac. cst., ex whse..lb. .23¾- —
under 50 lbs., frt. pd. lb. .25 - —
bbls., c.l. (20 tons), E. frt. pd..lb. .22¼- —
l.c.l., 5 tons, E. frt. pd.. lb. .22½- —
1,000-9,999 lbs., E. frt. pd..lb. .22¾- —
50-999 lbs., E. frt. pd.. lb. .23 - —
Pigment, barium, calcium, or magnesium base, c.l., E. frt. alld..lb. .05¾- —
Pac. cst., f.o.b. terminal..lb. .05¾- —
l.c.l., dlvd.....lb. .05¾- —
Pac. cst., ex whse..lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06¾- —
bbls., c.l., E., frt. alld..lb. .05¾- —
l.c.l., E., dlvd.....lb. .06½- —
Tolidin base, distilled, kgs....lb. .86 - —
Tolu, balsam, cns.....lb. .44 - .48
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld. gal. .23 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .22 - —
Nitration, dms., wks.....gal. .28½- —
tanks, E. of Omaha, frt. alld. gal. .23½- —
Tonga vine, NF, bls.....lb. .30 - .35
root, bls.....lb. .40 - .41
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, cs. .....lb. 1.00 - 1.15
Surinam, cs. .....lb. 1.15 - 1.20
Triacetin, dms. .....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .80 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l. .....lb. .70 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .35 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works .....lb. .46 - .48
Tributylamine, dms., l.c.l., works lb. .70 - —
Trichloroethylene, dms., c.l., works, frt. alld. Zone A..lb. .09 - —
l.c.l., dms.....lb. .095 - —
Zone B, c.l.....lb. .105 - —
l.c.l., dms.....lb. .110 - —
Zone C, dms., l.c.l.....lb. .105 - —
Zone A is East of the Rockies; B takes in Rocky Mountain States, and Zone C represents Pacific Coast States.
Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
500 lbs., dlvd.....lb. .37½- —
tech., 1, dms., c.l. .....lb. .28 - —
500 lbs., dms.....lb. .23½- —
less than 500 lbs., dms.lb. .26½- .37½
2, dms., c.l. .....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethylenegtycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .33 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double-grd., bgs., c.l., works. ton.16.00 - —
once-grd., bgs., c.l., works..ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., wks..lb. 2.10 - 2.20
Oxide, CP, kgs.....lb. 2.65 - 2.75
tech., kgs. .....lb. 1.85 - 1.95
Turmeric root, Alleppey, bgs..lb. .06½- .06¾
Madras, bgs.....lb. .06¼ Nom.
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .30 - —
l.c.l., 10, ex dock.....gal. .32 - —
5, ex dock.....gal. .34 - —
wood, dest., dist., dms., dlvd. E. cities, ports..gal. .22 - .24
tanks, dlvd. E. cities....gal. .20 - —
steam-dist., dms., c.l., dlvd.gal. .27 - —
l.c.l., dlvd.....gal. .30 - —
tanks, dlvd.....gal. .22 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, kgs.....lb. 1.75 - —
Urea, dom., 46 + % N. bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
import, 46% N. bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse.101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. NH_3 unit. No prices.
Uva ursi leaves, bls.....lb. .08¼- .08¾

V

Valerian root, bls.....lb. .10 - .12
Valonia, beards, bgs., shipt..ton.45.00 - —
Cups, bgs., shipt.....ton.30.00 - —
extract, powdered, 63%.....lb. .06 - —
Vanilla beans, Bourbon, tins..lb. 5.00 - 5.50
Mexican, tins.....lb. 5.00 - 5.50
cut, tins.....lb. 4.50 - 4.75
South American, tins.....lb. 4.50 Nom.
Vanillin, ex eugenol, 25-lb. tins, lb. 2.20 - —
5-lb. tins.....lb. 2.25 - —
1-lb. tins.....lb. 2.35 - —
ex guaiacol, 25-lb. tins.....lb. 2.10 - —
5-lb. tins.....lb. 2.15 - —
1-lb. tins.....lb. 2.25 - —
ex lignin, 25-lb. tins.....lb. 2.10 - —
5-lb. tins..... 2.15 - —
1-lb. tins.....lb. 2.25 - —
Venice turpentine, true, cs....lb. .42 - .44
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs., gross works..lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .40 - .41
Tree bark, bls.....lb. .22 - .25
Wattle bark, bgs., shipt.....ton.36.00 -38.00
Extract, bbls.....lb. .04½- —
Wax, bayberry, import, bgs...lb. .18½- .19
Bees, white, bleach, slabs, cs., 500 lbs. .37 - .39
yellow, crude, Africa, bgs., lots of 10.....lb. .19 - .19½
1 bg.....lb. .19½- .20
Brazil, Chile, bgs., 5-10 tons, lb. .22 - .22½
1 ton.....lb. .22½- .23
500 lbs. .....lb. .24 - .24½
100 lbs.....lb. .23 - .23½
refd., slabs, cs., lbs.....lb. .32½- .33
Candelilla, bgs., 1 ton.....lb. .15½- .16
jobbing lots.....lb. .16 - .16½
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .29 - .30
5 bgs.....lb. .29½- .30½
1 bg.....lb. .30 - .31
N. C. 2, bgs.....lb. .34 - .35
N. C. 3, bgs., 1 ton.....lb. .30 - .31
5 bgs.....lb. .30½- .31½
1 bg.....lb. .31 - .32
refined, bgs.....lb. .35 - .36
yellow, No. 1, bgs., 1 ton....lb. .39 - .40
5 bgs.....lb. .39½- .40½
1 bg.....lb. .40 - .41
No. 2, bgs.....lb. .38 - .39
Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .08¼- —
jobbing lots .....lb. .09¼- —
150°-160° m.p., bgs., 1 ton.lb. .09¼- —
jobbing lots .....lb. .10½- —
160° m.p., bgs., 1 ton.....lb. .10¼- —
jobbing lots.....lb. .11½- —
Japan, cs.....lb. .09¾- .10
Montan, bgs., c.l.....lb. .11 - —
5 tons.....lb. .11¼- .11½
less than 1 ton.....lb. .11½- .11¾
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .18 - .21
cakes, cs.....lb. .19 - .22
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .06 - .06¼
White precipitate, powd., 5-lb. bots..lb. 1.69 - —
dms., 50 lbs., or more...lb. 1.56 - —
Whiting, chalk, com'l., dry-grd., bip. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works..ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grnd., bip., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.60 -15.50
l.c.l., works.....ton.15.60 -16.50
extra bolted, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works..ton.14.60 -17.50
l.c.l., works.....ton.15.60- 18.50
Paris white, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.60 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.60 -21.50

Strychnine—Yellow Ocher

Whiting, English cliffstone (see Whiting, chalk, Paris white).
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l..ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis.ton. 8.60 - —
90% 200 mesh, paper bgs., c.l., same basis.....ton. 6.25 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
gilders, extra, bgs. (extra), c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works, ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works. ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .06
rossed, bls.....lb. .06 - .07
thin, natural, bls.....lb. .06 - .07
rossed, green, bls.....lb. .09 - .10
Wild indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF bbls..gal. .40 - .45
Leaves, bls.....lb. .07 - .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works.. ton.20.00 - —
import, 70 mesh, bgs., ex dock, ton.22.00 - —
80 mesh, bgs., ex dock....ton.24.50 - —
100 mesh, bgs., ex dock...ton.27.50 - —
120 mesh, bgs., ex dock...ton.30.00 - —
Wormseed, American, bgs.....lb. .08 - .10
Levant, bgs.....lb. 3.70 - 3.75
Wormwood, bls.....lb. .09 - .10

X

Xylol (xylene), indus., dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
nitration, dms., wks.....gal. .42 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .33 - —
5°, dms., works.....gal. .27 - —
tanks, E. of Omaha, frt., alld., gal. .33 - —
10°, dms., works.....gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.50
Yellow, cadmium, CP, import., bxs..lb. 1.35 - 1.75
lithopone, all shades, bbls. 1 ton, works, frt. alld.lb. .45 - —
smaller lots, same basis, lb. .50 - —
kgs., ton lots, same basis, lb. .50 - —
smaller lots, same basis, lb. .55 - —
sulphide, orange, bbls., works, lb. .80 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts....lb. .14½- —
open order .....lb. .15½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.27 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06½- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .06½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks., c.l., ex dock Balto, Boston, N. Orleans, for import..lb. .02475- —
New York (f.o.b.)..lb. .02½- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle ...lb. .03 - —
San Pedro, S. Francisco..lb. .0290- —
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02875- —
New York .....lb. .03¼- —
ex-dock Phila., for import..lb. .02¾- —
Portland, Seattle....lb. .03¼- —
San Pedro, S. Francisco..lb. .03 - —
ex whse., Balto., Boston, N. Orleans..lb. .03725- —
Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis, lb. .03¾- —
Minneapolis .....lb. .03¼- —
New York.....lb. .03¾- —
Pittsburgh .....lb. .03¼- —
Portland, Seattle....lb. .03¾- —
San Pedro, S. Francisco..lb. .03¼- —
f.o.b. N. Y., from dock, lb. .03¾- —
from whse. .....lb. .03¾- —

—Continued on page 52

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison

Published every Monday by Oil, Paint and Drug Publishing Company, Inc. Harry J. Schnell, President and Treasurer; Frank V. Baldwin, Vice-President; Daniel G. Bogert, Secretary. Address 59 John Street, New York, New York. Telephone JOhn 4-2357. Cable Address Reporter New York.

Incorporating the Drug, Paint and Oil Trade, the New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers' Journal, the Oil and Paint Review and International Petroleum Reporter.

Subscription rates including postage in the United States, possessions and territories, one year, $5.00; two years, $8.00; Canada and Newfoundland, one year, $7.00; two years, $12.00; other foreign countries, one year, $10.00; two years, $18.00.

Entered at the Post Office of New York as second class matter January 15, 1884, under the act of March 3, 1879.

Copyright, 1939, by Oil, Paint and Drug Publishing Company, Inc.

Vol. 135 January 9, 1939 Number 2

Business Will Be

It is well to allow the holiday period of good feeling to pass on before essaying an evaluation of the condition of business in respect to what it indicates or predicates for the next six months. The holiday spirit is conducive to optimism.

This spirit is also generative of generosity, and hence the annual display of those who pontifically pronounce that business is going to be 16 percent better, or 17 percent worse—their generosity runs both ways—in comparison with the corresponding period of the year that has gone. And barely one in a score of these prophets knows, or has any ability to know, what is the condition of business at the time he speaks.

The condition of business can be guessed at with an even chance that the guess will be close—if it is not stretched over too long a period. But, in these times, when business does not know what internal or external malevolence will smite it next, or when, guessing is only that. To make it a declaration is to fall victim to the quite prevalent desire to strut even though but briefly.

A business enterprise is the lengthened shadow of a man—sometimes. All business is always the more or less lengthened shadow of the men who are at the moment in control of its destinies. When these men become afraid of their shadow, nobody knows what business is until another group gets in position to provide a silhouette The length of this composite shadow will vary with the stature of those by whom it is cast; and its depth, or murkiness, or definiteness, will depend likewise upon their respective characteristics.

So, business in the next six months, in any six months, in any period whatsoever, will be exactly what it is made by those who in the period are in position to make it this or that or something else. These makers are not some mystical coterie identifiable only as "They"—that popular cognomen for influences not understood or not admitted. They are business leaders —or they are politicians. They are good, or they are bad, depending on the specific tenets of management, or of politics, to which they hold. And business will be in all respects the shadow of them and their beliefs; it will compare in size, and kind, and quality with last year exactly as these compare.

—O-P-D—

Business Must Work

In the making of business whatever it will be made during the next six months, it is very desirable that politicians be kept out of the kitchen. The best way to accomplish this is for business men to crowd the room so closely and to occupy themselves at the indicated tasks so assiduously and so expertly that there will be neither space nor reason for the intervention of the book-learned brigade.

That sounds easy, simple, in fact. But, it has been the plainly indicated necessity of the past five years—and it has not been done yet. Why, nobody seems to know exactly, although there are excuses galore for the failure of business to take over from government the job that belongs to business—the job of producing and using the wealth of the nation—and keeping that job in the hands that can do it efficiently and effectively. There has been and there still is a lot of talking in condemnation of what government has done and is doing, but there has been mighty little action to take this doing away from government and to see that it was done right.

There is no argument that the things which government has been doing don't need to be done. There is no argument which will stand water that these things must be done by government. The one reason why government is doing them is that otherwise, words and gestures notwithstanding, they would not be done. Congress started another grind with applause for the sentiment that governmental spending should be substantially curtailed. But, Congress will make no attempt to curtail it until business has demonstrated that at least the current status of—call it social progress, or whatever—will be maintained by other means, which Congress and business might jointly contrive. Applause sounds well over the radio, but cutting off benefits will not sit well among the home folks, and that is whence a congressman derives his existence.

Qualified financial pulse-feelers are declaring loudly that business activity still depends too largely on government spending. That is 100 percent right. They say that this spending should be replaced by the launching of new private capital issues. That is not 100 percent right, except from the viewpoint of finance. Business must regain its predominance in national affairs by work, not by again buying an unstable tenure with borrowed money. Government has made enough of a botch of that method.

—O-P-D—

Unity Then Harmony

Common danger is the most effective submerger of factional quarrels in business as a whole or in any particular group, just as it is in family affairs. Common causes, no less than politics, make strange bedfellows—and sometimes this fellowship supersedes earlier bitternesses when the latter have been unreasonably and senselessly engendered and maintained.

It is, nevertheless, a bit astonishing to find in a newly formed organization purposed to secure for vegetable oils and fats "proper attention and public recognition" representatives of butter producers, swine growers, and beef cattle growers. The strangeness of their presence is not because their fats are not of vegetable derivation, but because their groups have been quite hostile toward certain utilizations of vegetable fats. This aspect is emphasized by the fact that the Washington office of the organization is to be in charge of the secretary of the National Dairy Union, to which vegetable-fat substitutes for butter have been anathema.

There is interest, if not significance, in the fact that the stated purposes of the new organization, while having much to do with import taxes, make no mention of excise levies on oleomargarin. It has never been possible for unbiased observers to see anything but narrow-minded selfishness in these taxes, a manifestation of wholly unwarranted antagonism within agriculture, that has never done even the dairy division any real good.

Maybe the new common cause in behalf of vegetable and other fats will make the erstwhile hostile clans not only forget their quarrels but also become useful, one to another. Agriculture, acquiring a sensible solidarity and a perspective longer than a Winter's day, could do itself more good in a month than all the political panaceas can do in a year. This would require that the agricultural industry enter into a better working understanding with manufacturing industry, which already provides one of the farm's biggest markets, and with the distributing industry, which needs at least as much helpful modernization as agriculture does. And the best place to start what is needed is in the new organization; the best means will be found somewhere in the vicinity of a cooperative undertaking of these producers of oils and fats with industrial consumers of these materials, including manufacturers of oleomargarin.

—O-P-D—

State's Rights In Alcohol

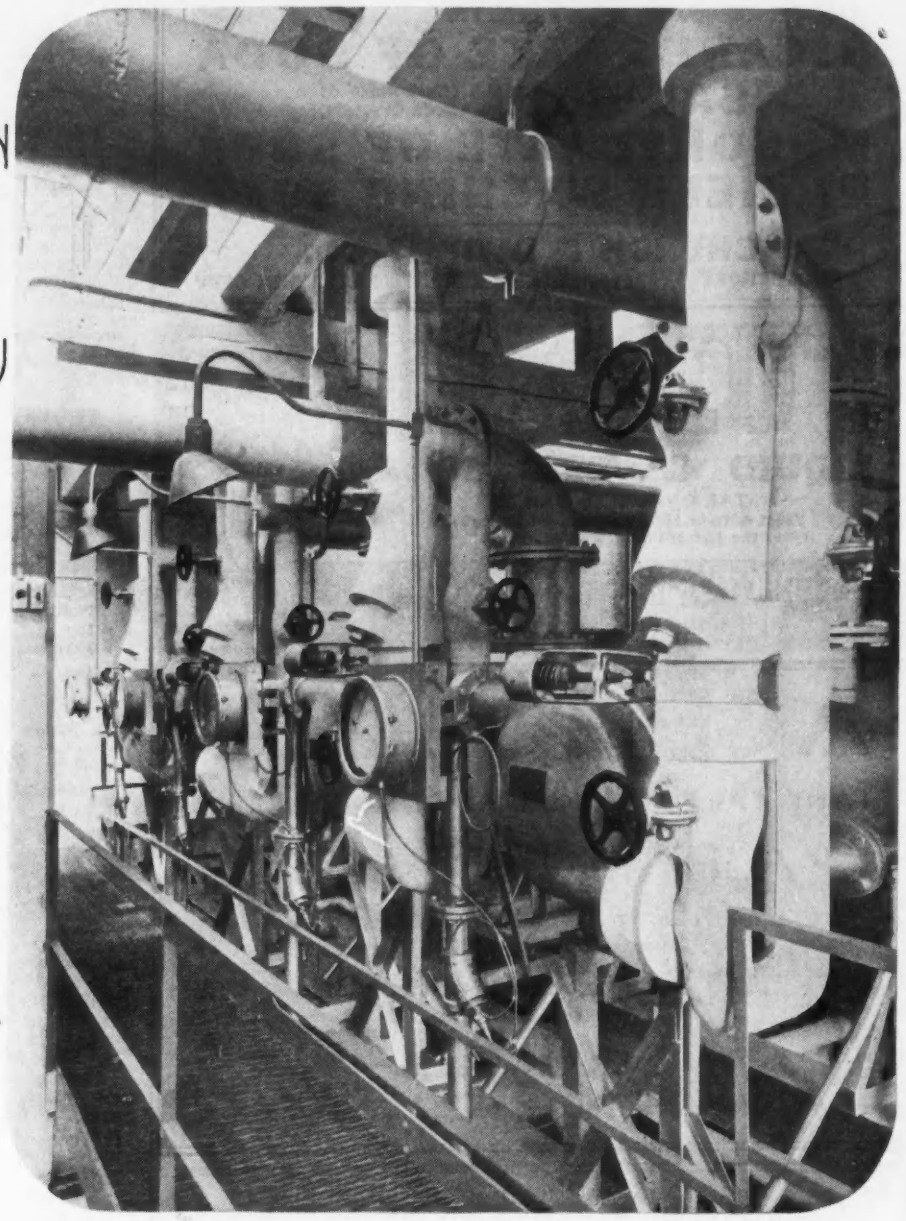
The recent decisions of the Supreme Court of the United States upholding liquor laws of Michigan and Missouri make most clear the fact that the State is supreme in its regulation of traffic in alcoholic beverages. The court's opinion in these cases specifically declares that the interstate movement of alcoholic beverages is not protected against State restrictions by the commerce or the equal-protection clause of the Federal constitution.

The importance of these State's rights decisions by the supreme court to industry in general is plain. A State has a right to denominate as an intoxicating liquor or alcoholic beverage alcohol in almost any form and for whatever purpose intended. A State need not respect the Federal industrial alcohol law to the extent that is necessary for the intention of that statute to further the use of alcohol in industry; it can rule into its arbitrary category of liquor a large part, if not all, of the alcohol distributed within its borders for plainly nonbeverage uses.

States, as is manifest in the Michigan and Missouri instances before the supreme court, are particularly touchy with respect to the "meddling" of "outsiders" in their liquor affairs. For this reason producers of industrial alcohol often are handicapped in their endeavors to secure reasonable recognition of this chemical material in State liquor laws. This condition lends much emphasis to the necessity that industrial consumers of alcohol interest themselves in legislation designed to control the liquor traffic in their States. Unquestionably this interest, to be most effective, must be widely coordinated; hence the importance of the current movement to organize a working association of industrial users of alcohol, which will get its formal start January 24 in this city under the guidance of the Industrial Alcohol Institute.

CITRIC ACID

powdered
granular
crystals
anhydrous



ESTABLISHED 1849

PFIZER QUALITY

CHAS. PFIZER AND COMPANY INC.

Manufacturing Chemists

81 MAIDEN LANE, NEW YORK, N.Y.

• • •

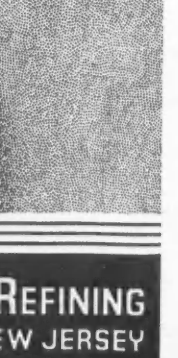
444 W. GRAND AVE., CHICAGO, ILL.

• • UNIFORMITY — THE ESSENCE OF QUALITY • •

BARIUM CARBONATE
BARIUM REDUCTION CORPORATION SOUTH CHARLESTON, W. VA.

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA
CHURCH & DWIGHT CO.
70 PINE STREET Phone Digby 4-2181 NEW YORK CITY

TURNER
LIQUID CAUSTIC SODA
TANK TRUCKS—DRUMS
Local delivery tank truck service throughout the Metropolitan New York area.
JOSEPH TURNER & COMPANY
RIDGEFIELD, N. J.
83 EXCHANGE PL PROVIDENCE · 630 FIFTH AVE., NEW YORK · 40TH ST. & CALUMET CHICAGO



ACETIC ACID
TANK CARS - TANK WAGONS - BARRELS
A. H. MATHIEU & CO.
7-11 Getty Avenue, Paterson, N.J.
Telephone Sherwood 2-3080-1-2
140 Tremont Street, Everett, Mass.
Telephone Everett 2731
Sole Selling Agents for
GRAY CHEMICAL CO., Roulette, Pa.

Exclusive Distributors for DUVAL TEXAS SULPHUR COMPANY
ASHCRAFT-WILKINSON CO.
ATLANTA, GEORGIA
Charleston, S. C. Jacksonville, Fla. · Wilmington, N. C. · Norfolk, Va. Jackson, Miss.
SULPHUR
99½% Pure
Shipments from Boling Dome and
A new production from ORCHARD DOME
Heavy Chemicals and Fertilizer Materials

COPPER SULPHATE
IRVINGTON SMELTING & REFINING
IRVINGTON WORKS NEW JERSEY
NEW YORK OFFICE · 30 CHURCH ST.

Heavy Chemicals

General Demand Remains Moderate with Prospects Cheerful —Further Revisions in Soda Pyrophosphate Schedule —Cobalt Carbonate and Chloride Reduced

Volume of business in the market for heavy chemicals was held to moderate proportions last week. There was evidence of some slight expansion over the low levels of December, and this was attributed in part to commitments placed last month for delivery after the turn of the year, and the appearance of some replacement orders following the inventory period. It was still too early to discern the trend of business, but sentiment continued cheerful that the upward trend witnessed in the final months of the previous year would be resumed. More confidence was expressed over developments in Washington, and industrial activity was running well ahead of the same period a year ago. Price changes included lower quotations for tungsten metal power, cobalt carbonate and chloride.

Further revision was reported in the schedule for soda anhydrous pyrophosphate. Prices formerly quoted on a freight allowed basis, east of an including Denver, were now on an f.o.b. works basis, freight equalized. Quotations in metropolitan centers such as New York, Philadelphia, St. Louis and Chicago were offered on a delivered basis. The market for this material has been expanding rapidly during the past several months, and production costs have been scaled down accordingly. Concessions in prices were offered from time to time to correspond with the lower costs. The reduction in the price for tungsten metal powder was in line with lower raw material costs; tungsten derivatives were unchanged. Molybdenum metal power and salts were maintained at former levels. Reduced prices were made in cobalt chloride and carbonate for the larger quantities. Metals and their derivatives were steady. Demand was stimulated in some sections for calcium chloride. A good amount of replacement business was evident in cyanides. Quotations were fully maintained in domestic and imported silicofluoride. Alkalies were spotty. Mineral acids were moderately taken. Agricultural insecticides and fungicides remained quiet.

Alums.—Volume of business showed some evidence of expanding going into the initial week of the new year, most of the withdrawals were of a replacement character after the inventory period. Alumina sulphate, ammonia and potash alums gave the best performance. Prices ruled firm in all divisions of the market.

Ammonia, Anhydrous. — Withdrawals of the commercial and refrigeration grade were along seasonally dull lines, with much of the attention focused in forward business, and contract work was making satisfactory progress in this respect.

Ammonia Aqua.—With the year end inventory period out of the way, the market was expected to resume a more normal trend from diversified consuming interests, business last week was of a moderate character.

Ammonia Molybdate.—Quotations remain firm, and were extended into the new year at current levels. Usual consumers supplied the call for necessary quantities.

Ammoniac Sal.—Withdrawals of the white and gray material were held to moderate proportions throughout the past week. Sellers were concentrating attention on contracts, with much of this work out of the way for the year.

Antimony. — Quietness characterized the dealings in the market for domestic antimony, and withdrawals were generally held to small quantities. The higher quotations established recently were steady. Conditions showed little change in the market for the oxide and needle powder, and quotations were unaltered.

Arsenic. — Usually after the turn of the year the market experiences some activity, and, while it is still too early to discern the extent of this, the market gave a satisfactory account of itself. Pricewise the market experienced no change, and a steady to firm tone governed the dealings.

Barium Salt.—Withdrawals in most barium derivatives were held to nearby requirements, and spotty conditions prevailed in some divisions of the market where seasonal factor retarded active demand. Prices were in conformity with the preceding period.

Bleaching Powder.—The market assumed a more normal trend after the turn of the year, and usual consumers were making fair size commitments to cover their nearby requirements. Prices ruled unchanged.

Blue Vitriol.—A steady to firm price tone characterized the dealings, while business was experiencing some seasonal lethargy, especially from the agricultural consumers. Commercial consumers were expected to give the market its chief support over the next few months. Withdrawals for water purification were steady, and export demand fair.

Calcium Chloride.—Demand was stimulated in some sections where ice and snow contributed to the need for this material in ice control work on roads. The rapid expansion of miscellaneous consumers was a helpful factor to the market. Quotations were without alteration.

Chlorine.—Activity in this direction was expected to gain momentum as the new year gets under way, the outlook from basic consuming industries presents an encouraging picture. Quotations were in conformity with those established the preceding period.

Cobalt Salts.—Quotations for cobalt carbonate and chloride were reduced 10c. and 3c. per pound respectively. Price reduction applies on 100 pound to 20 pound kegs, smaller quantities were not affected. Other cobalt derivatives were unchanged.

Copper.—Dealings in the market for domestic copper were quiet last week. There was no change in the price, and quotations for domestic copper remained at the 11¼c. per pound level. Transactions in the export market were only fair, and price ranged around the 10.50c. per pound level.

Copperas.—Demand was reported as steady in most directions last week. Prices were held at levels previous prevailing. Steel operations last week recovered from the low year-end level and were estimated at 50.7 percent of capacity, against 38.8 percent in the preceding week and 25.6 percent in the corresponding week a year ago.

Glauber's Salt.—The market was receiving broad support from diversified consuming channels, although commitments were usually confined to nearby production requirements. Prices ruled unchanged.

Magnesite.—Quotations for the calcined and dead burned material were unchanged. The market was receiving some support from the building industry, and further expansion in shipbuilding and other construction projects were expected to be a direct benefit to this material.

Molybdenum Metal Powder.—Quotations were steady to firm. The market has received good support from the metallurgical industry recently, and

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Cobalt carbonate, 10c. per lb.
chloride, 3c. per lb.
Tungsten metal powder, 70c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
147.2	147.2	147.2	154.5

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.6	99.6	99.6	99.6

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

prospects for the first quarter remain cheerful.

Potash Carbonate.—A fair inquiry prevailed in the market throughout the past week. Prices were held at previous levels. November imports amounted to 16,473 pounds, valued at $837, of which 16,473 pounds came from Germany.

Potash Chlorate.—A steady interest was manifest in the market from the match trade. Quotations ruled unchanged. The international sales agreement of European and Japanese producers of potash chlorate is expected to undergo radical revision in view of the changed situation of the Chinese market, according to reports published in the Japanese press. The agreement was reached on March 30, 1937, and since the Chinese market forms the nucleus of the agreement, Japanese producers state that the plan is unworkable under present conditions in China, according to the American commercial attache at Tokyo. November imports aggregated 984,943 pounds, valued at $58,874, of which 877,431 pounds came from Germany.

Potash Cyanide. — Consumers were withdrawing necessary quantities to take care of nearby requirements. Prices were without change. November imports totaled 7,436 pounds, valued at $2,702, of which 2,475 pounds came from France and 4,961 pounds from Germany.

Saltpeter.—Dealings in this direction were maintained at a moderate pace throughout the past week. A steady to firm price tone predominated. November imports aggregated 484,916 pounds, valued at $24,012, of which 473,995 pounds came from Germany.

Soda Ash.—While business in the market was not especially active, indications pointed to a resumption of business on a broader scale as the year gets under way. Contract renewal work has shown satisfactory progress for the new year.

Soda Bisulphite. — Usual consumers made their appearance for a fair amount of replacement orders as operations in some basic consuming lines resumed a more normal trend. Prices were unchanged.

Soda, Caustic.—Some irregularity was prevalent in the market last week, this could be attributed to year end influences. However, with operations in most major consuming industries holding steady, it was expected that business would soon resume its upward movement.

Soda Cyanide.—A good amount of replacement business was evident at times during the past week. Activity in the automotive industry continued to give the market its chief support. Prices ruled unchanged.

Soda Hyposulphite.—The textile industry was coming in the market for fair-sized quantities to take care of nearby production requirements. Quotations were without alteration.

Soda Molybdate. — Quotations held firm, and prices will be carried through the first quarter at current levels. Small quantities made up the call last week.

Soda Nitrite.—A moderate amount of business made its appearance from the textile trade and other consuming channels. No new developments occurred pricewise, and a steady to firm tone prevailed.

Soda Pyrophosphate.—Some revisions were made in the schedule for the anhydrous material; prices formerly quoted on a freight allowed basis, East of and including Denver, were now placed on an f.o.b. works, freight equalized basis. The new schedule follows:—Bags, car lots, works, freight equalized, $5.10 per 100 pounds; less car lots, $5.35 per 100 pounds; barrels, car lots, works, freight equalized, $5.30 per 100 pounds, and less car lots, same basis, $5.55 per 100 pounds.

Soda Silicofluoride.—Quotations were well maintained at the levels established recently for the domestic and imported material. Consumers were making only urgent withdrawals in most quarters.

Strontium Nitrate.—The market was strictly a routine affair, and commitments were confined to modest quantities. Prices were without change. November imports totaled 40,000 pounds, valued at $2,683, all of which came from Germany.

Tin Salts.—The advances recorded the previous week in various tin derivatives were maintained last week. The firmness could be attributed to the steady tone prevailing in the Straits metal market, with quotation ranging around the 46.60c. per pound level.

Tungsten Metal Powder. — As announced late last week, quotations for the 99 percent material was lowered 70c. per pound, making the new quotation $2.10 to $2.20 per pound. There was no change in the oxide or other tungsten derivatives.

Uranium Oxide. — There was little feature to the market last week, and shipments were confined to small quantities. Prices were unaltered. November imports amounted to 21,484 pounds, valued at $41,159, of which 16,327 pounds came from Belgium and 5,157 pounds from Canada.

Acids

Transactions in the market for mineral acids gave some signs of revival after the year-end dullness. With inventories in many major consuming lines adjusted, prospects appeared bright for a resumption of business on the broader scale noted in the latter part of last year. The market was devoid of any price changes in the schedules. November production of sulphuric acid amounted to 171,106 tons, compared with 161,225 tons in the preceding month and 205,796 tons in November a year ago. November consumption amounted to 147,592 tons, compared with 151,083 tons in October and 67,886 tons in the same month a year ago, according to statistics by 56 fertilizer manufacturers for the months of 1938, 58 for months of 1937 released by the Department of Commerce.

Acetic.—Business in the market for various grades of acetic acid were moderate. Price schedules were in conformity with the preceding period. November imports of acetic acid over 65 percent totaled 141,860 pounds, valued at $7,093, all of which came from Canada.

Chromic.—The call from the plating trade provided the chief consuming interest in the market. Quotations were well maintained at previous levels.

Formic.—Transactions were of a routine nature throughout the period under review. Price schedules were without alteration.

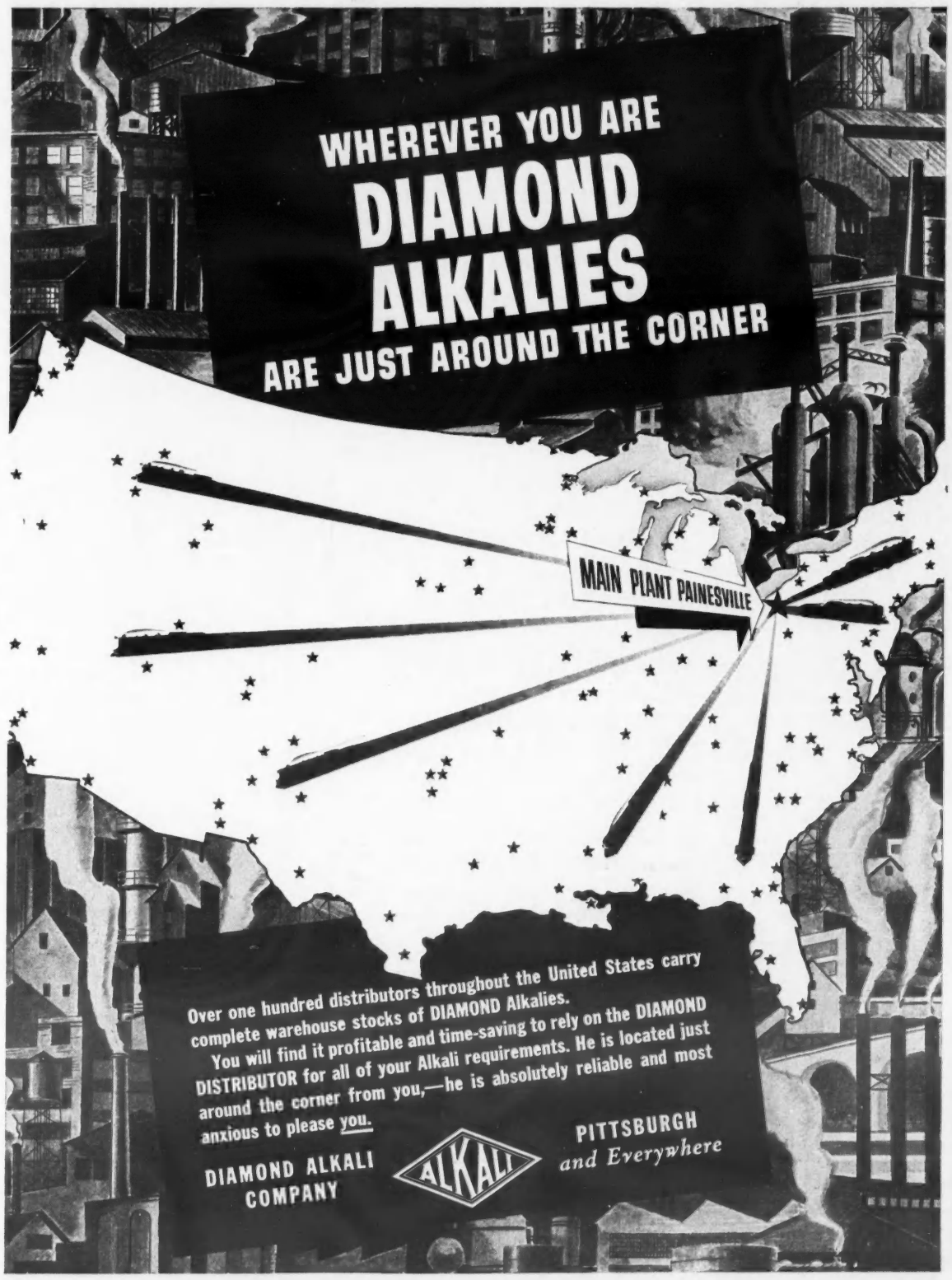
Muriatic.—Shipments were moving out at a moderate pace in most directions last week. Pricewise nothing new developed. and schedules were the same.

Nitric. — Withdrawals by major consumers showed some signs of revival after the year-end lethargy. Quotations were in conformity with the previous period.

Oxalic.—Interest in the market was maintained at fair levels in virtually all directions. Prices ruled unchanged. November imports totaled 86,135 pounds, valued at $4,344, of which 83,035 pounds came from Germany and 3,100 pounds from the Netherlands.

Sulphuric. — Business in the market showed some evidence of recovery from the year end levels. Most consumers, however, were placing commitments along conservative lines to meet nearby production requirements. Prices were fully maintained at levels previous in force. Statistics based on data released by 56 fertilizer manufacturers for the months of 1938, 58 for the months of 1937 released by the Department of Commerce show November production at 171,106 tons, compared with 161,285 tons in the preceding month and 205,796 tons in November, 1937. For the first eleven months production aggregated 1,599,996 tons, against 1,564,440 tons in the corresponding period a year ago. Receipts during November were 49,676 tons, contrasted with 61,848 tons in October and 67,886 tons in November, 1937. For the first eleven months receipts totaled 500,362 tons, compared with 702,049 tons in the like period a year ago. November consumption amounted to 147,592 tons, against 151,083 tons the previous month and 166,778 tons in the like month a year ago. For the first eleven months this year consumption was 1,380,062 tons, compared with 1,753,319 tons in the same period last year. November shipments were 76,199 tons, compared with 69,875 tons in October and 81,709 tons in November, 1937. For the first eleven months shipments aggregated 720,269 tons, contrasted with 941,023 tons in the like period a year ago. Stocks on hand at the end of November amounted to 87,331 tons, against 90,341 tons at the

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7


WHEREVER YOU ARE
DIAMOND
ALKALIES
ARE JUST AROUND THE CORNER
MAIN PLANT PAINESVILLE
Over one hundred distributors throughout the United States carry complete warehouse stocks of DIAMOND Alkalies.
You will find it profitable and time-saving to rely on the DIAMOND DISTRIBUTOR for all of your Alkali requirements. He is located just around the corner from you,—he is absolutely reliable and most anxious to please you.
DIAMOND ALKALI COMPANY
ALKALI
PITTSBURGH
and Everywhere

SOLVAY

TRADE MARK REG. U. S. PAT. OFF.

PRODUCTS

New locations for plants and warehouse points, new equipment, new methods, the increasing of quality standards and improving the availability of its products, the affording of technical advice and assistance to users of alkalies—are all *demonstrated* evidence of Solvay's service to American industry.

Soda Ash
Caustic Soda
Modified Sodas
Special Alkalies
Heavy Duty Cleansers
Nitrite of Soda
Liquid Chlorine
Calcium Chloride
Caustic Potash
Liquid—Flake—Ground—Solid—Lump
Ammonium Chloride
Para-dichlorobenzene
Ortho-dichlorobenzene
Ammonium Bicarbonate
Potassium Carbonate
Liquid—Granular Hydrated—Dustless Calcined
47% 83-85% 98-100%

SOLVAY SALES CORPORATION
Alkalies and Chemical Products Manufactured by The Solvay Process Company
40 RECTOR STREET NEW YORK, N. Y.

Branch Sales Offices:
Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, Indianapolis, New Orleans, New York, Syracuse, Philadelphia, Pittsburgh, St. Louis

Are your reservations in for the Annual Drug Trade Dinner to be held March 9, 1939 at the Waldorf-Astoria Hotel?

MAGNESIUM FLUOSILICATE
CALCIUM FLUOSILICATE
HYDROFLUOSILICIC ACID
FLUORINE PRODUCTS Division of Sterling Products Company Easton, Pa.

SULPHURIC ACID
60° 66° 98%
Tank Cars—Carboys
Prompt Shipments
ROYSTER CHEMICAL WORKS
TOLEDO, OHIO
Division of
F. S. ROYSTER GUANO CO.
NORFOLK, VA.

...a dependable source of supply
CARBON BISULPHIDE
Stauffer
BORIC ACID . CARBON TETRACHLORIDE : BORAX
TITANIUM TETRACHLORIDE : CAUSTIC SODA : SULPHUR CHLORIDE : SULPHUR : SILICON TETRACHLORIDE
CREAM OF TARTAR : SULPHURIC ACID : CARBON BISULPHIDE : TARTARIC ACID : WHITING
STAUFFER CHEMICAL COMPANY
2710 Graybar Bldg. New York, N.Y.
Carbide and Carbon Bldg. Chicago, Ill.
Rives-Strong Bldg. Los Angeles, Cal.
Freeport Texas
Stauffer

Phosphorus Trichloride
PCl_3
- - - made to rigid standards of purity, assuring dependability.
- - - used in organic synthesis for the introduction of halogens either directly or catalytically and in the preparation of organic phosphorus compounds.
- - - shipped in steel-jacketed lead carboys or in lead-lined drums.

Our forty years of experience in the manufacture of phosphorus and its compounds is your security, both as to the product and its source. Inquiries are invited.

Oldbury
Electro-Chemical
Company

Plant and Main Office:
Niagara Falls, New York
New York Office:
22 East 40th Street, New York City

Phosphorus and phosphorus products. Sodium chlorate. Potassium perchlorate. Oxalic acid.

end of October and 91,498 tons at the end of November, 1937.

Baltimore, Jan. 4.—The movement of fertilizer mixtures will not take on any proportions for two months or more, and meanwhile the manufacturers of these mixtures will have little opportunity to work out calculations as to whether the arrangements made for supplies of sulphuric acid are adequate or whether deficiencies will have to be provided. Any real test at least as far as the fertilizer industry is concerned will be lacking. The orders obtained by the acid makers were generally taken at the prices that have obtained for some time, and these figures are believed to represent the market. They stand at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. That variations occurred according to quantity is quite likely, but in the main the market held its own, with the manufacturers evidently prompted by conditions to refrain from holding out for advances because of the rise in crude materials and wages. Oleum also was steady at $17 per ton for 20 percent supplies. Whether these figures will rule throughout the coming months remains to be seen and depends largely upon the developments of the future.

Insecticides

Quiet conditions continue to prevail in the market for agricultural insecticides and fungicides. After the turn of the year, however, sellers were increasing their efforts for the Spring season business. Export business provided about the bulk of the transactions at this time. No new price schedules made their appearance, and quotations in force previously were well sustained.

Bordeaux Mixture.—Nothing of interest developed in the market last week. Demand continued seasonally dull, and prices were without change.

Lead Arsenate.—The market continued to mark time, as preparations were going forward for Spring season. Pricewise no change was uncovered, and a firm tone prevailed.

Paris Green.—Dullness characterized the dealings at this time. There was nothing new to divulge in the prices, and quotations remained the same.

Landis Receives Perkin Medal

—Continued from page 3

but for several reasons nothing commercial was developed until the Spring of 1915, when under the impetus of a contract with one of the lamp companies, actual production was started. At first he said the grade of gas supplied was low, but soon stepped up to over 90 percent argon, and production became established at something over 100 cubic feet of pure gas daily.

Operations were abandoned late in the year 1915, Dr. Landis explained, because of a change in process at Niagara Falls, which eliminated the argon content of the air in the new process of nitrogen production. Fortunately, he added, another source of supply was being developed to take the place of the Niagara production, so that there was no delay in the development of the gas filled lamp then coming into its own.

The Niagara process in brief, Dr. Landis said, was to produce nitrogen by passing air over finely divided copper in large retorts. Argon-nitrogen mixture, he said, was then introduced into a series of American Cyanamid ovens with intermediate purification apparatus in the series, and special manipulation to maintain the requisite temperatures. A gas of 25-30 percent argon content was thus obtained, he added, which was further purified by passing over carbide in a specially constructed furnace. The impurities other than argon and nitrogen were removed, he said, by copper-copper oxide retorts followed by scrubbing and drying, and the residual argon compressed and shipped in oxygen cylinders.

When the production of nitrogen by the copper retort was abandoned for the liquid air system, Dr. Landis stated that argon production had to stop, as most of it passes off with the wasted oxygen. Descriptions of the copper nitrogen process, the special construction of the Cyanamid ovens required and the manipulation of same for argon production were given and photographs shown. This was undoubtedly the first commercial production under contract of this one rather rare element.

Sulphuric acid production in the United Kingdom totaled 514,000 long tons in the first six months of 1938, as compared with 564,400 tons in the similar period of 1937.

Trade Briefs

Sulphuric acid production in Canada in 1937 amounted to 287,716 short tons in contrast with 241,075 short tons in 1935.

Bell Telephone Laboratories, Inc., a subsidiary of the Western Electric Company, has increased its capital from $100,000 to $5,000,000.

Celotex Corporation has opened a plant in Pittsburgh, Pa., for the manufacture of 'Pottsco,' marking the fourth plant placed in operation for the manufacture of this expanded blast-furnace slag.

Seiberling Rubber Company, Akron, has retired its entire outstanding funding debt through the recent purchase at public auction of $2,350,000 of 6 percent class A debenture notes for $752,000.

Dr. Irving Langmuir, director of research for the General Electric Company, Schenectady, N. Y., has been conferred with an honorary degree of Doctor of Science by the University of Oxford, England.

Innis, Speiden & Co., chemical manufacturer and importer, this city, has released its January issue of *Isco News*, in which is a list of its products, and an illustration of the company's plant at Niagara Falls, N. Y.

International Nickel Company's directorate has determined to continue the listing of the company's shares on the New York Stock Exchange, according to Robert C. Stanley, chairman and president of the company.

W. M. Archibald has retired as vice-president in charge of mines for the Consolidated Mining & Smelting Company of Canada, Ltd. However, it was stated his services as a consultant to the directorate would be available.

Hecker Products Corporation, this city, sold its soap business January 4 to the Lever Brothers Company, Cambridge, Mass., for approximately $2,500,000 in cash, including the estimated proceeds of accounts receivable obtained by the Hecker company.

International Nickel Plans To Develop Open Pit Mining

Copper Cliff, Ont., Jan. 3, 1939

The International Nickel Company has completed preparations for the development of extensive open pit mining operations at the famous Frood mine, for years the world's greatest single source of nickel and the platinum metals, as well as a producer of copper, silver, gold, selenium and tellurium. Prior to this development all ore was mined at levels starting at 2,400 feet below the surface and extending at 200-foot intervals to 3,400 feet. These deeper deposits were worked first because of their richer metal content, and the plan to mine simultaneously from the surface through open pit operations is due to the new policy of combining surface mining with mining at depth in order to assure an average grade of ore over the future life of the mine.

Penna. Salt Distributing Pamphlet on Cryolite

The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., has issued a pamphlet on cryolite. The pamphlet explains that the product is used principally in the production of metallic aluminum, in glass, and enamel manufacture. The pamphlet stated that the company is the sole importer in the North American continent of cryolite from Greenland. Discussing the chemical properties, the pamphlet explains that cryolite is a double salt of sodium fluoride and aluminum fluoride in the proportion of 60-40 and contains 32.9 percent sodium, 12.8 percent aluminum and 54.3 fluorine.

Atlantic Research Gives Christmas Party December 23

More than fifty executives, chemists, engineers and personnel associated with Atlantic Research Associates, Inc., and its subsidiary, Atlantic Research Products, Inc., gathered together with their wives and friends at Studio hall, Newtonville, Mass., December 23, for a Christmas party given by Mr. and Mrs. F. C. Atwood. Following the presentation of gifts, a buffet supper was served, after which there was dancing and games and the presentation of prizes to the winners.

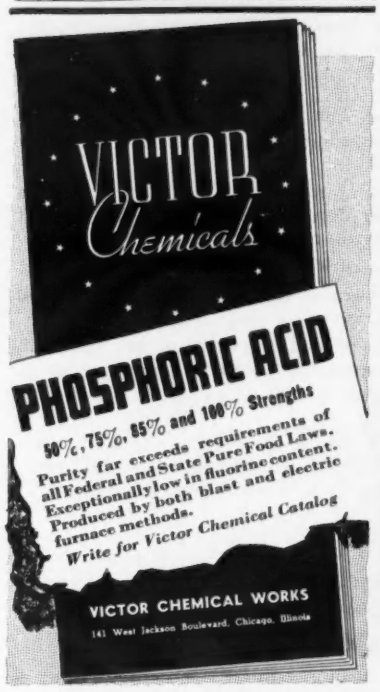
Imperial Chemical Industries Names Executive Managers

London, Dec. 23, 1938

In order to ease the pressure of detail work upon the management board, Imperial Chemical Industries, Ltd., has created a new position, that of executive manager. Five members of the staff —W. A. Akers, F. W. Bain, W. F. Lutyens, A. J. Guig, and F. Walker—have been appointed executive managers. They will attend board meetings and will be members of the various executive committees which were established when the organization of management was changed early in 1938.

Chemical Salesmen's Party Attendance Sets Record

The Salesmen's Association of the American Chemical Industry held its annual Christmas party in the Hotel McAlpin, this city, December 29. Bart Sheehan, of the Grasselli chemicals department of E. I. du Pont de Nemours & Co., chairman of the entertainment committee, reported that attendance of 275 as the largest in the history of the association. A floor show followed the dinner.


VICTOR Chemicals
PHOSPHORIC ACID
50%, 75%, 85% and 100% Strengths
Purity far exceeds requirements of all Federal and State Pure Food Laws.
Exceptionally low in fluorine content.
Produced by both blast and electric furnace methods.
Write for Victor Chemical Catalog
VICTOR CHEMICAL WORKS
141 West Jackson Boulevard, Chicago, Illinois

HYDROGEN SULFIDE
The Matheson Co.
EAST RUTHERFORD, N. J.
and 27 other Gases
in Industrial Cylinders or Laboratory Quantities also Controls
Dept. G *Ask for Bulletin II, XV*

NV
TRADE MARK REGISTERED
SULPHATE of POTASH
90 — 95% K_2SO_4
Min. 95% K_2SO_4
Min. 96% K_2SO_4
—NV—
DOUBLE REFINED
SULPHATE of POTASH
—NV—
MURIATE of POTASH
Min. 99% KCl
—NV—
DOUBLE REFINED
MURIATE of POTASH
POTASH PAYS ON ALL CROPS
N. V. POTASH EXPORT MY. Inc.
19 West 44th St., New York
Telephone: Vanderbilt 3-4588

E. De Haën's FIXANAL VOLUMETRIC SOLUTION
For convenient and rapid testing. Write for Details.
PFALTZ & BAUER, INC.
Empire State Building New York

FINEST TC QUALITY
TENNESSEE CORPORATION

PROMPT SHIPMENTS ON RECEIPT OF ORDER
ATLANTA, GA., LOCKLAND, OHIO; In Florida, U. S. Phosphoric Prod. Corp.

IMPORTANT TO YOU!

A QUICK REVIEW OF BARRETT TAR ACIDS

Barrett Tar Acids are produced to meet highest standards of quality, uniformity and dependability. Barrett's unmatched service is available to every customer. Phone, wire or write for quotations.

PHENOL

(*Natural*) ***U. S. P. 40° C. Minimum Melting Point*** **is a pure white crystalline product generally used in the manufacture of Phenol-Formaldehyde Resins when extremely light color is necessary. Also used in the manufacture of chemicals and dyestuffs requiring material of highest purity.**

39° C. M. M. Pt. Technical **approximates the U. S. P. material in quality and is recommended for use when it is not necessary to adhere strictly to Pharmacopœia specifications.**

82-84 per cent and 90-92 per cent Technical**—grades which contain limited amounts of Ortho, Meta and Para Cresols.**

CRESOLS

U. S. P. **Barrett Cresol U. S. P. not only meets U. S. Pharmacopœia specifications but contains less than 9 per cent Phenol.**

Meta-Para Cresol. **Standard grades having boiling ranges of 3° C. and 5° C. with Meta Cresol content — 55 per cent and 52 per cent minimum respectively.**

Ortho Cresol. **Minimum Melting Point 30.4° C.**

Meta Cresol. **70 per cent and 80 per cent, for chemical and synthetic resin manufacturers.**

Para Cresol. **85 per cent and 98 per cent, for chemical, synthetic resin and pharmaceutical manufacturers.**

Special Cresol Fractions, to meet users' specifications.

CRESYLIC ACID

Straw color and dark grades of various distillation ranges, depending on requirements. Special grades for synthetic resin manufacturers.

XYLENOLS

Boiling range 210-225° C. or narrower fractions, if desired. Also Meta Xylenol Crystals (symmetrical).

TAR ACID OILS

Carefully blended oils ranging in tar acid content from 10 per cent to 75 per cent.

THE TECHNICAL SERVICE BUREAU of The Barrett Company invites your consultation with its technically trained staff, without cost or obligation. Address The Technical Service Bureau, The Barrett Company, 40 Rector Street, New York.

THE BARRETT COMPANY
40 Rector Street, New York

THE BARRETT COMPANY, AMERICA'S LEADING MANUFACTURERS OF COAL-TAR PRODUCTS • ROOFINGS • TARVIA • CHEMICALS

Barrett CHEMICALS

Coaltar Chemicals

General Demand Shows Some Improvement in Initial Week—Benzol Remains Firm—Toluol and Xylol Steady—Imported Crude Naphthalene Lower

Demand for coaltar chemicals gave some indications of recovering from the year-end lethargy as the new year got under way. While business was not especially active, there was evidence of replacement orders to take care of depleted inventories and enhanced operating schedules. The market was in a much better position than a year ago, and prospects of a more normal consumer demand appeared bright for the early part of the year at least. The only price change was confined to lower quotation for imported crude naphthalene.

Benzol continued in a firm position, although the stocks of benzol were not so scarce, and sellers were better able to cope with the demand. Toluol and xylol moved steadily, reflecting the keener interest from the surface coating trade. Some replacement business was uncovered in cresylic acid. Naphthalene offered little feature from a demand standpoint, with sellers engaged in soliciting contracts in the crude material. The concession reported in the imported product reflected the lower domestic quotations. Phenol moved moderately and renewed interest was expected shortly. Dealings in cresol and creosote oil were of a routine character. In the coaltar acid division maleic acid moved fairly well into major consuming channels. Intermediates were in fair demand, with phthalic anhydride, aniline and nitrobenzene moving moderately. Shipments of coaltar colors was steady, although commitments in most instances were somewhat modified.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Naphthalene, crude, imp., 10c. per 100 lbs.

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
125.6	125.6	125.8	127.3

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Interest in the market remained steady throughout the week. The market was not in such a tight position, and sellers were able to satisfy the demand at this time. Contract work for next year was well under way, and reports to date have been satisfactory. Pricewise a steady to firm tone ruled. Steel operations last week advanced sharply and were estimated at 50.7 percent of capacity, compared with 38.8 percent in the preceding week and 25.6 percent in the corresponding week a year ago, according to the American Iron & Steel Institute. One of the most outstanding industrial developments of 1938 has been the completion of 454 and the commencement of construction of sixty-one by-product coke ovens by the steel industry alone, with prospects that 1939 and ensuing years may witness further additions fully as extensive.

Creosote Oil.—Withdrawals against contracts continued on a moderate scale throughout the past week, with major consumers inclined to order out for nearby requirements. Contract work for this year has been well under way. November imports amounted to 7,672,951 gallons, valued at $903,727, of which 1,700,158 gallons came from Belgium, 2,143,467 gallons from Germany, 375,000 gallons from the Netherlands, 1,782,000 gallons from the United Kingdom, 346,807 gallons from Canada, 1,075,000 gallons from Japan, and 250,000 gallons from Kwantung.

Cresol.—Sellers were looking forward to renewed interest in the market as the new year gets underway, it was too early to say much about business at this time. Prices were well sustained, and contract work was practically concluded in most major consuming channels.

Cresylic Acid.—The market showed some replacement buying on the part of consumers, but dealings in most instances were of a spotty nature. Contract work continued to occupy the attention of domestic sellers. There was little feature to the imported market, and business was quiet and prices held steady. November imports totaled 197,397 gallons, valued at $75,531, of which 140,631 gallons came from the United Kingdom and 56,766 gallons from Germany.

Naphthalene.—Business was mostly on the quiet side as the new year got under way. There was little disposition on the part of principal consumers to place orders beyond current needs. Contract solicitations were in progress at the levels established the preceding period for the crude material, with work in the refined started some time ago. There was some easiness in the imported material following the lower quotations here, and business was reported at the $1.75 per 100-pound level at Atlantic ports. November imports aggregated 2,760,962 pounds, valued at $43,380, of which 992,070 pounds came from Germany; 220,472 pounds from the Netherlands; 1,541,636 pounds from Russia and 6,784 pounds from Australia.

Phenol.—Transactions were confined to moderate proportions in most instances throughout the week just closed. Consumers were expected to make their appearance shortly for replacement orders as the new year gets under way. Quotations ruled steady to firm.

Toluol.—Interest from the surface coating trade was resumed on a steady scale last week. Activity in the automotive trade continued to provide the market with its principal stimulus. A steady to firm price tone predominated.

Xylol.—Consumers came into the market on a fairly broad scale to cover requirements as resumption of more normal operations took place in most consuming lines. Prices ruled firm.

Coaltar Acids

Anthranilic.—Quiet conditions prevailed in the market last week. Prices were without change, and a steady to firm tone governed the dealings.

Cleve's.—Withdrawals were confined to necessary quantities in practically all instances. Pricewise the market continued steady.

Maleic.—A fair movement of material into important consuming channels made its appearance throughout the past week. Quotations were held at previous levels.

Salicylic.—A routine week characterized the dealings in this direction, and commitments were confined to nearby needs. Prices ruled unchanged.

Sulphanilic.—Usual consumers were showing a cautious purchasing policy during the week, and restricted orders to current requirements. Prices were without alteration.

Chicago Coaltar Bases

A good demand is being encountered in coaltar bases with the start of the year, considering the fact that all buyers are naturally lethargic about initiating heavy purchasing operations after the let-down around inventory time. Inquiries are fairly good. Benzol continues to be ordered rather well. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 22c.; 10-degree xylol, 28c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Other Intermediates

Aniline Oil.—Some consumers were coming into the market for necessary replacement orders at this time, and the market received a fair amount of buying support. Prices continued steady to firm.

Anthraquinone.—Dyestuff manufacturers were making moderate withdrawals from time to time, and pricewise the market remained unchanged.

Betanaphthol.—The technical material

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

received modest attention in most quarters, and shipments were usually confined to nearby needs. No change was divulged in the prices.

Dimethylaniline.—Sellers were accepting contracts for this year at the lower levels established the preceding period, and a satisfactory response was received in virtually all consuming quarters.

Dinitrotoluene.—A cautious purchasing policy was evidenced throughout the greater part of the period under review. Prices ruled steady to firm.

Nitrobenzene.—Shipments were moving out at a moderate pace last week, with consumers inclined to mark time for the present.

Phthalic Anhydride.—Large consumers were expected to show renewed interest in the market after the inventory period, and evidence of this was already making its appearance. Prices ruled unchanged. Japan recently succeeded in manufacturing absolute phthalic acid on an industrial scale, and is now producing a daily average of 30 metric tons, according to a recent press report.

Xylidin.—There was little feature to the market during the period just closed, and dealings were on a restricted basis for the most part.

Coaltar Colors

Dealings in the market for coaltar colors and stains were steady, although commitments in most instances were somewhat modified. Some consumers were not ready to make large size orders until inventory adjustments were entirely out of the way, and the trend of Spring business was more clearly defined. The outlook for the first quarter appeared bright in most textile consuming lines, and sellers reported excellent progress in booking contracts for this year. Pricewise the market retained a steady to firm tone. Imports of aniline and coaltar dyes adapted for dyeing into Canada for the 12 months ending March, 1938, declined to 4,889,486 pounds, compared with 5,109,253 pounds during the 12 month period ending March, 1937. The decline continued during the quarter ending June, 1938, when 722,169 pounds were imported, against 1,310,827 pounds during the corresponding quarter of 1937.

Disinfectant Trademark Balked by Cough Medicine

The United States Patent Office has decided that the Rockland Chemical Company, Newark, N. J., is not entitled to register the notation, "Penn-X," as a trademark for disinfectants, in view of the prior registration by the Pinex Company, Fort Wayne, Ind., of the term, "Pinex," for cough balsam. The opinion declared that in legal contemplation the marks are the same and that if the goods were similarly packaged and distributed they would be regarded as of the same discriptive properties.

The patent office noted that at present the one product is sold in large drums to the agricultural and institutional trade, and the other in small bottles through drug stores, but added that the proposed registration would include no restrictions as to the type or size of containers or the manner of merchandising.

Wood Preserving Up in 1937

Establishments engaged primarily in wood preserving reported the number of wage earners employed in this industry from 8,985 in 1935 to 12,401 in 1937, while wages paid increased from $6,639,340 to $11,338,356. The value of products of the industry for 1937 amounted to $116,699,580, against $80,367,755, in 1935, according to the Bureau of Census. Number of establishments totaled 197 in 1937, against 185 in 1935. Cost of materials, etc., amounted to $84,684,289 in 1937, against $59,765,063 in 1935.

This industry, as classified for census purposes, embraces establishments engaged primarily in treating wood with creosote, zinc chloride, or other preservatives to prevent decay and for protection against insects. The treatment of battery separators and the staining of wood shingles are also included in this classification.

National Oil Products Company, Harrison, N. J., is offering a new lathering oil shampoo, 'Nopco 2157.' The company, a manufacturer of a number of soluble oil shampoos, developed the new product primarily for the hairdressing profession for use before a finger wave, dye or tint.

J & L
CXP
BENZOL

has these exclusive features which increase your production, cut processing costs and assure you a better product

Here is a Benzol completely free of corrosive compounds — that will keep your stills running on a continuous maximum production basis — with fewer shut-downs for cleaning.

J & L CXP Benzol is made by an exclusive process giving it a high degree of purity that marks it as one of the outstanding chemical achievements of the day.

You are assured better distilling operations, lower operating costs and increased production by using J & L CXP Benzol — always uniform and always consistent.

J & L CXP Benzol has the following critical properties guaranteed — Freezing Point 5.30° C — Boiling Range, less than 1 C — Bromine Index 3.

Write us on your letterhead and we shall be glad to send you a free sample of J & L CXP Benzol.

J & L—ALWAYS MAKING FINER STEELS FOR NEW AND BETTER USES

JONES & LAUGHLIN STEEL CORPORATION

AMERICAN IRON AND STEEL WORKS

PITTSBURGH, PENNSYLVANIA

MAKERS OF HIGH QUALITY IRON AND STEEL PRODUCTS SINCE 1850

J&L STEEL

SYNTHETIC RESINS · ANTISEPTICS · DISINFECTANTS · PLASTICIZERS · DYES · SOLVENTS
EXPLOSIVES · PERFUMES · PHOTO · RECLAIMING AGENTS
LACQUER · ANTI-OXIDANTS · OIL · TANTS
PLASTICIZERS · DYES · SOLVENTS · SOAP
RUBBER RECLAIMING AGENTS · L · AL DIPS
INEXPENSIVE DISINFECTANTS · FLOT · TISEPTICS
DRUGS · DISINFECTANTS · PLASTIC · GRAPHIC

PHENOL · CRESOL
CRESYLIC ACID

TAR ACIDS • TAR ACID OILS

OF EXCEPTIONAL UNIFORMITY BECAUSE

1. Koppers controls coal mines . . .
2. Operates coke ovens with coal from these mines . . :
3. Produces tar from these coke ovens . . .
4. Separates acids from this tar . . .
5. Refines these acids in large volumes in a thoroughly modern plant put into operation late in 1937.

PHENOL All standard grades such as 82% and 90% and 39° Melting Point Pure.

CRESOL U. S. P. with very close cut distillation range and light color, for pharmaceutical purposes—Meta-Para Cresol with high meta cresol content—Resin cresols close cut to wide boiling with guaranteed meta cresol contents and clean odor, free from sulfur compounds.

CRESYLIC ACID Many distillation ranges appropriate for all established uses—pale color—clean odor—total impurities besides water not exceeding one half of one per cent.

TAR ACID OILS Frozen crystal free at 0°C.—good emulsion-forming properties—low benzophenol content—appropriate for low to high coefficiencies with tar acid contents as required.

•

Koppers position, due to raw materials and modern plant equipment, is exceptional for special cuts or fractions. Inquiries solicited and welcomed.

KOPPERS CHEMICALS AND SOLVENTS

Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and Industrial) . . . Solvent Naphtha (Including High Flash) . . . Phenol (82% and 90% Purity) . . . Cresol (U. S. P., Resin and Plasticizer Grades) . . . 3° Meta Para Cresol . . . Cresylic Acid (Disinfectant Grades—99%, pale, low-boiling. Insecticide Grades—99%, pale, high-boiling) . . . Naphthalene Shingle Stain Oil . . . Refined Tars . . . Tar Acid Oils . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS

Tanks and Tank Work . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Phenol Removal Apparatus . . . By-Product Gas Plants . . . By-Product Recovery Apparatus . . . Sulfur Recovery Apparatus . . . Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Fast's Self-aligning Couplings . . . Fire Hydrants . . . Piston Rings . . . Gas, Air and Water Valves . . . Pressure-treated Lumber.

KOPPERS COMPANY · PITTSBURGH, PA.

What You Can Use

Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

Fully protected by Copyright

Two-hundred-sixtieth Instalment

Mineral Oil

Emulsifiers for Mineral Oil

(Continued from January 2 issue)

Sodium pentanaphthalenesulphonate
Sodium propylnaphthalenesulphonate
Sodium resinate
Sodium salt of lauryl sulphuric ester and lauryl glucoside
Sodium salt of naphthalenesulphonic acid
Sodium salt of ricinoleic sulphuric ester and lauryl glucoside
Sodium silicate
Sodium stearate
Solvoil
Soybean lecithin
Soybean meal treated with potassium hydroxide
Starch
Stearic amide
Stearamidin hydrochloride
Stearimidoethyl ether hydrochloride
Sulpholeine
Sulphonated acylaminoethers
Sulphonated alcohols
Sulphonated aromatic derivatives
Sulphonic acids
Tannins
Tetradecene
Tetrahydrobenzene
Triamylaminesoaps of fatty acids
Triethanolamine oleate
Triethanolaminesoaps of fatty acids
Triethyleneglycol monostearate
Trihydroxyethylamine linoleate
Trihydroxyethylamine stearate
Wool olein

Emulsion Breakers for Mineral Oil

Alkalies
Ammonium hydroxide
Diatomaceous earth
Infusorial earth
Kieselguhr
Mud
Oelic acid
Sodium carbonate
Sulphonic acid
Sulphonic acid salts
Treatolite

Emulsion Stabilizers for Mineral Oil

Acacia
Algic acid
Alginates
Algins
Bentonite
Coconut oil stearin
Cyclohexonol
Dammar
Ethanolamine
Ethanolamine palmitate
Gums
Stearin
Sulphonated oils

Filtering Agents for Mineral Oil

Activated carbon
Animal charcoal
Asbestos
Bentonite
Boneblack
Charcoal
Cheesecloth
Clay
Clearit
Darco
Diatomaceous earth
Diafilt
Filtrol
Filtros
Fossilite
Fuller's earth
Glass wool
Kaolin
Kieselguhr
Neutrol
Nonsilite
Norit
Nuchar
Paper pulp
Quartz, ground
Sand, white
Silicates
Silicon
Suchar
Super-filchar
Talc
Tripoli

Purifying Agents for Mineral Oil

Alkalies
Alums
Aluminum hydroxide, colloidal
Aluminum sulphate
Ammonium hydroxide
Charcoal
Clay
Fuller's earth
Furfural
Hydrogen
Kieselguhr
Oleic acid
Phosphoric acid
Sodium carbonate
Sodium silicate
Treatolite

Solvents for Mineral Oil

Acetylene tetrachloride
Alcohols
Amyl acetate
Amyl alcohol
Benzene
1-Brom-2-chlorobutanol-3
1-Brom-3-chlorobutanol-2
Butyl acetate
Butyl alcohol
Butyl ethylcarbonate
Butyl butyrate
Butyl propionate
Cellosolve
Chloroacetaldehyde
Chlorobutanone
3-Chlor-2-(chloromethyl)-1-phenylpropane-3
Cyclic ketones
Cyclohexanol
Cyclohexanol acetate
Cyclohexanone
Cyclonol
Decalin
Diacetone alcohol
1:2-Dibromopropanol-3
1:4-Dichlorobutanol-2
1:3-Dichlor-2-methylpropanol-2
Dichloroctyl alcohol
Dichloro-tertiary-amyl alcohol
Dichloro-tertiary-butyl alcohol
Dichloroethyl ether
Diethylene oxide
Diethyleneglycol butylether
Diethyleneglycol monoacetate
Diethyl-1:4-dioxane
Dimethyl cyclohexanol oxalate
Dimethyl-1:4-dioxane
Esthers
Ethers
Ethyl acetate
Ethyl lactate
Ethylene oxide
Ethyleneglycol butylether
Ethyleneglycol diethylether
Ethyleneglycol ethylether
Ethyleneglycol isoamylether
Ethyleneglycol isobutylether
Ethyleneglycol isopropyl ether
Ethyleneglycol methylether
Ethyleneglycol propylether
Glycol diacetate
Glycol monoacetate
Glycolether acetate
Hexalin
Hexalin acetate
Isobutylethyl ketone
Isopropyl acetate
Methylamyl ketone
Methylbutyl ketone
Methylcyclohexanol
Methylcyclohexanol acetate
Methylcyclohexanol oxalate
Methylcyclohexanol phthalate
Methylcyclohexanol stearate
Methylcyclohexanone
Methyldiphenylcyclohexane
Methylethyl ketone
Methylhexalin
Methylpropyl ketone
Naphtha
Petroleum spirit
Propylene oxide
Propyleneglycol ethylether
Propyleneglycolisopropylether
Propyleneglycol methylether
Shale naphtha
Tetraethyleneglycol
Tetraethyleneglycol ethylether
Tetralin
Trichloroethylene
Triethyleneglycol
Triethyleneglycol ethylether
2:3:3-Trichlor-2-methyl-1-phenylpropane
Trichloro-tertiary-butyl alcohol
Turpentine
Toluene
Varsol
Xylene

Thickeners for Mineral Oil

Aluminum oleate
Aluminum palmitate
Aluminum stearate
Ammonium linoleate
Ammonium oleate
Ammonium palmitate
Ammonium stearate
Cellulose palmitate
Cellulose stearate
Dehydrated soap free from resin or woolfat acids
Metallic oleates, palmitates, and stearates
Metasap
Palmitic acid
Propylene stearate
Sicapon
Sodium palmitate
Sodium stearate
Stearic acid
Zinc oleate
Zinc palmitate
Zinc stearate

Methane

Catalysts Used in Oxidizing Methane to Methanol or Formaldehyde

Aluminates
Aluminum oxide
Barium chromate
Barium tungstate
Beryllium carbonate
Beryllium compounds
Beryllium oxide
Calcium aluminate
Calcium vanadate
Cerium carbonate
Cerium hydroxide
Cerium nitrate
Cerium oxide
Chromates
Chromium
Chromium oxide
Cobalt

(To be continued)

Cricket Eradication Plan To Cover Ten States

OPD Washington Bureau
January 4, 1939

Solution of another surplus crop problem will be sought through a Federal-State cooperative cricket eradication program to be participated in by the Division of Grazing, Acting Director Richard H. Rutledge today reported to Secretary of the Interior.

With government scientists estimating that at least 18,000,000 acres of land in ten Western States already have become infested with the plague of crickets, efforts will be centered around their eradication from strategic areas in Nevada, Oregon, Idaho, Utah, Washington, Montana, Wyoming, North and South Dakota, and Nebraska. Details of the cricket eradication work are expected to be worked out at meetings between the various State officials and government experts within the next few weeks, in order that the campaign can be set in full sway by early Spring.

In addition to the crickets themselves, it has been estimated that sixty-five other types of predators, ranging from bugs which feed on the cricket eggs to rodents and birds which consume the insects are attracted to the areas by the heavy infestation.

Utilizing the Division of Grazing Civilian Conservation Corps, forces, additional facilities will be afforded to carry out the two major methods for extermination under the combined Government-State program. One of these methods is the erection of metal barriers, some of them more than 50 miles in length, beyond which the crickets are unable to pass and hence drop into pen traps for self-destruction through suffocation by mere weight of numbers. Another methods of extermination involves the dusting of infected areas with poisonous mixtures, which, while unharmful to grazing livestock, result in the destruction of both crickets and their eggs.

C.S.A. to Meet January 12

The Salesmen's Association of the American Chemical Industry will hold a luncheon-meeting in the Chemists' Club, this city, January 12, at 12:30 p.m. At this meeting there will be the installation of officers for 1939.

Tanning Materials Industry Improved in 1937

Manufacturers of tanning materials, natural dyestuffs, mordants and assistants, and sizes reported slight increases in employment and value of products and a moderate increase in wages for 1937 compared with 1935, according to preliminary figures compiled from returns of the recent Biennial Census of Manufactures, released today by Director William L. Austin, Bureau of the Census, Department of Commerce.

The number of wage earners employed in this industry in 1937 was 2,812, an increase of 6.1 percent, as compared with 2,651 reported for 1935, and the wages paid increased 13.8 percent, from $2,636,004 for 1935 to $2,999,868 for 1937. The value of the products of the industry for 1937, $35,684,573, exceeded the 1935 figure, $33,638,800, by 6.1 percent. Cost of materials was $22,603,478 in 1937, against $19,704,046 in 1935. There were 158 establishment in 1937, against 154 in 1935.

Leather Tanning Industry Had Moderate Improvement in 1937

Establishments producing leather or currying and finishing leather reported the number of wage earners employed decreased from 50,877 in 1935 to 50,687 in 1937, according to preliminary figures compiled from returns of the recent Biennial Census of Manufacturers, released by the Bureau of Census. Value of products in the industry, including receipts for contract work amounted to $395,022,313 in 1937, against $308,344,763 in 1935. Number of establishments totaled 402 in 1937, against 384 reporting in 1935. Cost of materials reached $281,506,081 in 1937, against $197,969,867 in 1935. Wages paid in 1937 amounted to $61,288,375, against $55,683,471 in 1935.

W. F. Kroneman, in addition to his activities as a special representative for the Dodge & Olcott Company, this city, continues to represent the Pennsylvania Oil Products Refining Company, Warren, Pa., for the sale of its white mineral oils and petrolatums. His address is 1016 Seventy-sixth street, Brooklyn. Telephone Shore Road 5-6687.

HEYDEN

FORMALDEHYDE
U.S.P. Solution

Years of specialized experience—and knowledge of the needs of the consuming industries—are reflected in its uniformly dependable high purity and strength.

The fine Heyden quality is protected to the point of use by fast delivery in modern containers, including fleets of tank cars and tank trucks.

•

PARAFORMALDEHYDE
U.S.P.X.

A white powder of exceptionally good solubility.

•

HEXAMETHYLENETETRAMINE
U.S.P. and Technical

Available in both powdered and an inclusive range of granulations.

Samples, quotations and other information on request.

HEYDEN
CHEMICAL CORPORATION
50 UNION SQUARE, NEW YORK, N. Y.
CHICAGO BRANCH: 180 N. WACKER DR.
Factories: Garfield, N. J., Fords, N. J.

Dyestuffs, Textile and Leather Chemicals

Market Appears in Much Stronger Position Than a Year Ago—Corn Derivatives Unchanged—Bichromates Steady—Tanning Materials Firm—Logwood Quiet

Business in the market for dyestuffs, textile and leather chemicals was quiet last week. The market still reflected the year-end inventory and shut downs in manufacturing consuming lines, and there was little disposition to make large size replacement orders at this time. There was some apprehension expressed in the woolen and cotton goods industry over the effects of the Anglo-American reciprocal trade agreement put into force the first of the year. The market lacked any feature pricewise, and quotations previously established were fully maintained.

The market seemed to be in a much stronger position than the same time a year ago. The textile and leather industry made rapid strides in the latter part of the year to scale down inventories, and entered the new year with operating levels well above the same time last year. While there was some seasonal leveling off in the latter part of December, mill operations were expected to get underway shortly for Spring and Summer business. Bichromates moved in moderate fashion, with most consumers content to order for nearby requirements. Zinc dust was firm. Only routine commitments were made in potash prussiate. Antimony salt was dull. Natural dyestuffs were without particular feature, and there was little disposition on the part of consumers to place commitments beyond nearby needs. Quotations were fully maintained on egg products, although business was slow. A fair volume of business was uncovered in corn derivatives. Tanning materials lacked any price fluctuations, and trading in mangrove bark, myrobalans. sumac, quebracho, valonia and wattle barks was held to modest proportions in practically all instances.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
147.1	147.1	147.0	155.3

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Aluminum Acetate.—A steady to firm price tone characterized the dealings throughout the week. Dealings were of a negligible nature in most quarters.

Alumina Chloride.—Consumers were content to make only necessary withdrawals last week. Prices were well maintained in all grades, with a steady to firm tone governing the dealings.

Antimony Salt.—The market lacked any particular feature, and the call was confined to small quantities in virtually all instances. Prices were unchanged.

Potash Bichromate.—Transactions in this direction were only fair throughout the past week, with some consumers content to mark time for the present. Quotations were well maintained.

Potash Prussiate.—Business was along routine lines in practically all instances. The market lacked any feature pricewise, and quotations were in conformity with the previous period.

Soda Bichromate.—Shipments were moving out in moderate fashion for nearby production requirements, with consumers showing little disposition to add to inventories at this time. Prices ruled unchanged.

Soda Prussiate.—Quotations were in line with those prevailing previously. Business was featureless, and small quantities were the general rule.

Zinc Dust.—A firm tone continued to characterize the dealings in the market last week. Demand was held to necessary requirements in most instances.

Dyestuffs

Annatto.—There was little disposition on the part of consumers to extend commitments beyond nearby requirements. Prices were in conformity with the preceding period.

Archil.—Dealings were of a modest nature in this direction throughout the week just ended. No change was reported in the quotations.

Cochineal.—Trading still of a cautious nature, and the call was restricted to urgent requirements. Quotations were steady to firm.

Indigo.—Quietness prevailed in the market for natural indigo. There was nothing new to report in the prices and quotations were well maintained at former levels.

Logwood.—Interest in the market was only fair, with most consumers content to place orders when needs became urgent. Quotations ruled unchanged.

Sizing Materials

Albumen, Egg. — Quotations were well maintained for the powder and crystal material last week. Not a great deal could be said about the activity, and consumers continue to order out in a conservative manner.

Dextrin.—Volume of business was described as moderate in most quarters last week. Orders were booked in good volume a few weeks ago when prices began to firm, and most consumers were fairly well stocked up for the near future at least. Prices were without alteration.

Egg Yolk.—A firm tone remained in evidence in this direction last week. However, volume of business was of a disappointing character. Egg prices usually decline from November or December until Spring. This year December egg prices are lower than November prices, even though storage holdings are very small. Prices, however, are above 1937 levels. Low feed costs also have continued to contribute toward increased egg production, according to the Bureau of Agricultural Economics.

Starch.—Demand was only fair for various grades of corn starch and the disposition to mark time was evident in most directions. Prices were held at former levels last week. Visible supplies of corn amounted to 48,866,000 bushels, against 47,718,000 bushels in the preceding week and 34,803,000 bushels in the corresponding week a year ago.

Tanning Materials

Mangrove Bark.—Quotations were retained at former levels again last week. There was little feature to the dealings in the market throughout the week.

Myrobalans.—Trading was held to modest quantities in the majority of instances last week. Pricewise the market was steady, and quotations were fully maintained at previously established levels.

Quebracho.—Consumers were entering the market for moderate withdrawals, with the disposition to order out for nearby requirements for the present. Prices ruled unchanged.

Sumac.—Prices for the leaf and ground material were without change, and demand was of a routine character in practically all instances.

Valonia.—Dealings in the beards and cups were quiet during the week just closed. Quotations were in conformity with the previous period.

Wattle Bark.—The market experienced no price fluctuation for the African material, and there was little feature to the transactions throughout the week.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

'Tergitol' Price Reduced

'Tergitol penetrant 08,' a surface-active compound that speeds the penetrating ability of water, is now selling at a new low price, according to Carbide & Carbon Chemicals Corporation, this city. The new schedule of prices is as follows:—In less than 55-gallon drum lots, 30c. per pound. In drum lots (single 55-gallon drums or more), 25c. per pound.

'Tergitol penetrant 08' is claimed to be most effective when the aqueous solution involved contains more than five percent of dissolved substances such as acids, bases, salts, dyestuffs or starches. Its wetting action continues undiminished indefinitely in solutions containing relatively high concentrations of sodium hydroxide and other alkalies, and salts. It is also credited with being used to increase the efficiency of metal cleaning compounds, textile printing pastes and window cleaner.

Mutual Chemical Company, manufacturer of bichromates, this city, which operates a plant in Baltimore, is contesting the validity of the Baltimore zoning law which provides that chimneys or other structures may not be erected within 5,000 feet beyond public airport perimeters.

Dr. Stanford L. Hermann, chief research chemist and son of Dr. S. M. Hermann, president of the Apex Chemical Company, Elizabeth, N. J., was married December 29 to Miss Sylvia Beatrice Klarsfeld. After a wedding trip to California and Honolulu, Dr. and Mrs. Hermann will reside in Elizabeth.

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural
Natural BICHROMATES

DRY COLORS—DYESTUFFS
IMPORT EXPORT
FEZANDIE & SPERRLE, 205 Fulton Street, NEW YORK
Telephones: Cortlandt 7-1460-1461 Cable Address: "Fezan," N.Y.

"NIAPROOF"*
ALUMINUM SALTS FOR WATER REPELLENT TREATMENTS
Especially developed for the modern concentrated water repellent preparations, "Niaproof" contains 37 to 39% active Al_2O_3. It is readily soluble in water giving solutions of 5.1 to 5.4 pH depending on concentration; which can be reduced if desired to a pH range of 3 to 4 by the addition of Glacial Acetic Acid.
"Niaproof" B is a more basic type of aluminum acetate salt containing 35% active Al_2O_3. Solutions have a pH range of 4.7 to 4.8; which can also be lowered by the addition of Acetic Acid.
Samples of both grades are available on request. *Trademark
NIACET CHEMICALS CORPORATION P.O. BOX 460 NIAGARA FALLS, NEW YORK

DISPERSE GREASE*
EMULSIFIERS • DEFOAMING AGENTS
DETERGENTS • PLASTICIZERS • SOFTENERS
for all industries including Textile, Paper, Tanning, Paint and Varnish, Ink, Oil and Grease, Cosmetics, Glue, Cement, Polish and Agricultural Spray.
*Specific data on NOPCO PRODUCTS for this purpose may be obtained upon request.
NOPCO "EVOLVED THRU RESEARCH"
NATIONAL OIL PRODUCTS CO.
HARRISON, N. J.
BOSTON CHICAGO CEDARTOWN, GA. SAN FRANCISCO

MUTUAL BICHROMATES
MUTUAL CHEMICAL CO. OF AMERICA — MUTUAL — NEW YORK N.Y.
BICHROMATE OF SODA
BICHROMATE OF POTASH
OXALIC ACID
CHROMIC ACID
MUTUAL CHEMICAL CO. OF AMERICA
270 MADISON AVE. NEW YORK
PLANTS AT BALTIMORE AND JERSEY CITY MINES IN NEW CALEDONIA

Why the Chemist in the Paint Industry

—Continued from page 5

two lines of effort is the result of a rather general misuse of his services, rather than because of his own limitations.

The chemist is used in the paint and varnish industry today, first as a control tester, to insure, largely by physical and practical tests, the uniformity of materials and of finished products. Second, he is expected to develop new, improved, or cheaper formulations for those finished products. He is also expected to evaluate new materials, or materials from new sources in substitution for present materials in his company's products

Actually, the chemist's effort is almost entirely spent first in control work, second in proving or disproving claims of "raw material" purveyors, and third in matching competitive paint and varnish products.

His attempt to improve his own products are apt to be sporadic and abortive. His efforts to satisfy to a high degree the paint requirements of industrial consumers are frequently misdirected by inadequate knowledge of the customers' detail need, or orders to match the competitive material now being used, and by lack of time.

Much of his time is wasted because he lacks a sufficiently clear understanding of the problem he is expected to solve. More time is wasted because he has no ready reference to past efforts along similar lines, and finds it easier to duplicate those efforts.

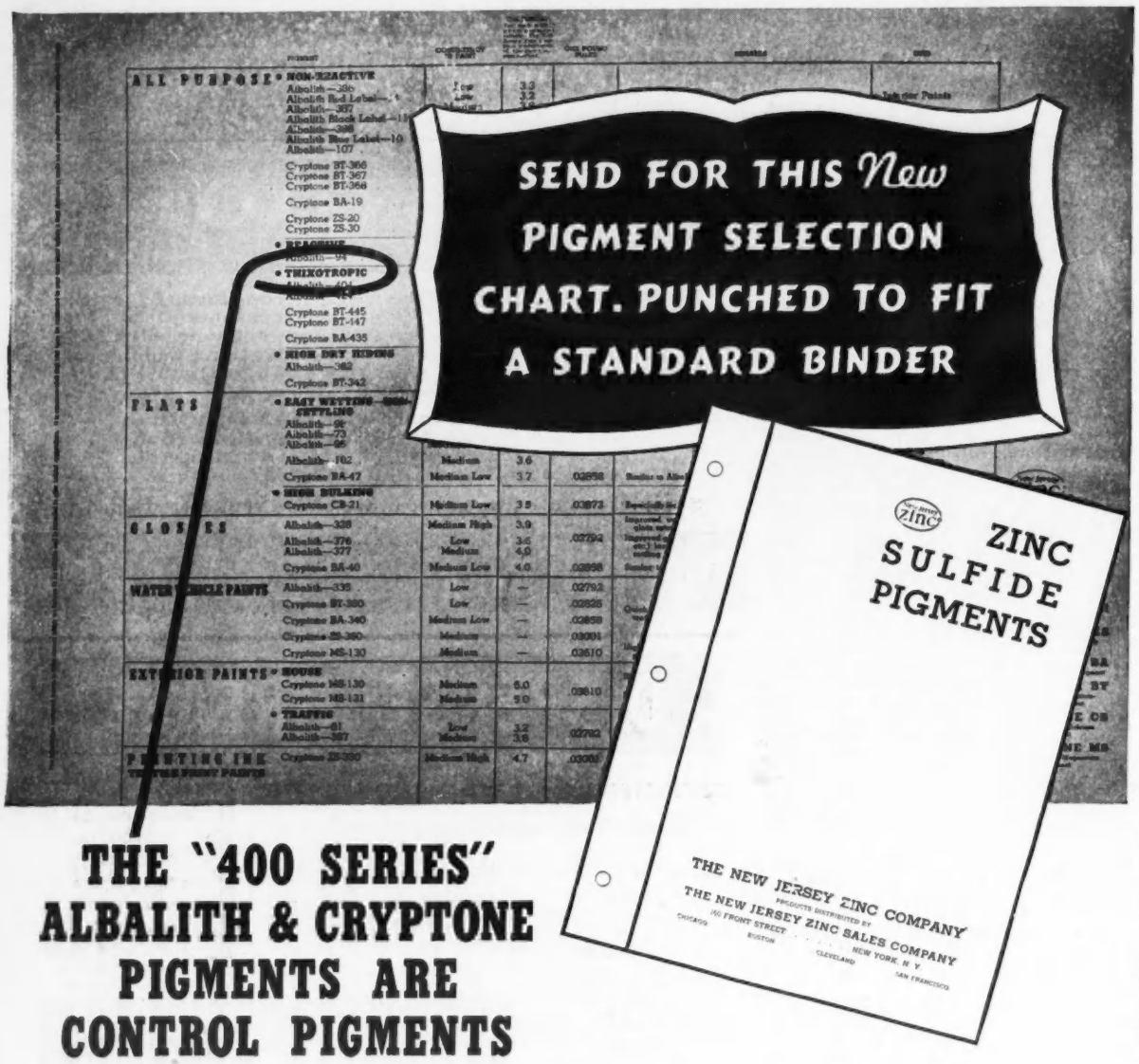
The chemist in the paint and varnish industry is dogged by the possibility of frequent changes of position. He is classed as a nonproducer since he neither cooks, grinds, tints, fills, nor sells. As a nonproducer he is a luxury to be eliminated in hard times. He is sometimes expected to be a "miracle-man," pulling the required formula on short notice from his bag of tricks. When his trick bag is suspected of being exhausted, he may be displaced by another chemist, with a brand-new bag of tricks.

The chemist, himself, is at times, woefully lacking in the industrial point of view. His scientific training in open-mindedness causes him to present both sides of a finding to his employer, who wants instead a formula or a plan of action, predigested, definite, understandable, and immediately usable. His direct thinking impels him to direct speech, which some executives reject in favor of more subtle, diplomatic wording that seems to cause the executives themselves to give voice to the ideas in question. His academic interest in finding facts for their own intrinsic value leads him at times into work whose practical value to his employer is remote indeed.

Equally at fault, and without the excuse of scientific training is the chemist who allows himself to be trapped into stating a definite opinion before he has done the work which should precede and dictate that opinion, and who then squanders his efforts in attempting to justify that opinion, rather than in establishing the fact. Or again, he leaves an investigation on which he is embarked, to follow ideas or incidental discoveries which, common sense should tell him, would never carry him to his original goal. Not that those ideas or discoveries should be ignored. They should rather be recorded for future investigation or use.

The competitive sales policy of manufacturers of certain synthetic paint and varnish materials has introduced another difficulty to waste the efforts of the chemist. Trained to associate related chemical compounds, and knowing, for example, the characteristics of butyl acetate, he can predict the approximate behavior of octyl acetate or proprionate. Or, knowing ester gum, and knowing congo as compared to rosin, he can predict the characteristics of congo ester. But now he is offered Smith resin 4527, Jones resin 8257, Brown resin 1746, and Adams resin 1061, each allegedly the last word in excellence. When he has laboriously evaluated them, and has standardized on Brown resin 1746, he has no knowledge of chemical composition, physical structure or making process to associate with the preferred performance. Nor has he any basis of associated composition and performance to guide him when Smith, Jones, and Adams again descend on him with brand new resins, all allegedly vastly superior to Brown's 1746.

It is, of course, unfair to leave the picture of the paint and varnish chemist as dark as has been painted, accurate though the details of that picture may be. His power of trained observation and of associating cause with effect enables him to change practical procedure to get desired results. His understanding of the first two principles of research, namely the necessity for maintenance and use of a control standard, and the need to change only one variable at a time, when this understanding is not left in the classroom as too pedantic and slow, stands him in good stead. And finally, his keep realization that true research is a seeking after truth—"Let the chips fall where they may"—eliminates one by one the illusions, the superstitions, the prejudices that have beset this ancient art grown into an industry, and makes this paint and varnish manufacturing industry one in whose service the chemist may take just pride.



THE "400 SERIES" ALBALITH & CRYPTONE PIGMENTS ARE CONTROL PIGMENTS

A group of zinc sulfide pigments of improved color and brightness.

Offers the paint formulator an excellent means of obtaining better balanced interior finishes.

Used as the major hiding pigment they produce paints of desirable creamy body which are non-settling, easy to brush and of good leveling properties.

Used in conjunction with other pigments they correct settling tendencies, produce more body and improve packaging qualities.

Available in a range of consistencies for flats, undercoaters, semi-glosses, glosses.

Albalith—404-424
Cryptone—BT-445-447
Cryptone—BA-435

THE NEW JERSEY ZINC COMPANY
160 FRONT ST. NEW YORK

Hoffman Made N.P.V.L.A. Industrial Sales Head

—Continued from page 5

charge of design and construction of elevators, electric lighting, water supply, and fire protection for structures in the electrified zone.

From 1917 to 1921 Mr. Hoffman was with the Willys-Overland, Inc., and for approximately the last year of his service with the company he was production engineer at the Elizabeth plant, N. J., being in charge of design, construction and planning of new equipment and facilities to handle production of automobiles economically. During the period 1917 to 1920 he was assistant production engineer at the Toledo plant, Ohio, in charge of production planning, design of new equipment and layouts for handling production efficiently, systems of control, time study, building and equipment construction, and plant and machinery maintenance. He was research engineer at the Toledo, Ohio, plant, in charge of research in connection with automobile design of motor and chassis.

From 1921 to 1928 he was chief engineer with the Indian Motorcycle Company, Springfield, Mass., in charge of product design, experimental tool design, tools, inspection, and maintenance of plant and machinery. New design and changes in design of product, materials, tools, new layout of factory departments, installation of progressive systems and special factory equipment.

From 1928 to 1932 Mr. Hoffman was assistant general sales manager and sales engineer with the Magneto Manufacturing Company, Springfield, Mass., handling sales and field engineering in North America. From 1932 to 1933 he was sales engineer with the General Electric Company, selling air conditioning and oil furnace systems and supervised the installation of special systems in Westchester county, New York. He is a member of the American Society of Mechanical Engineers.

Paint Credit Ass'n Honors Hough at Christmas Party

The Paint & Allied Industries Credit Association held its annual Christmas party December 27 in the Building Trades Employers' Association, this city. Raymond Hough, general manager of the Service bureaus of the New York Credit Men's Association, was the guest of honor, and received an electric snack server as a token of appreciation for his cooperation.

Paint, Varnish, Lacquer Materials

Expected Building Increases Encourage Paint Manufacturers—Paint Market More Active—Zinc Sulphide Fractionally Lower—Gum Thus Reduced—Naval Stores Steadier

Producers of paint materials looked forward optimistically for better business conditions in 1939 due to the awards for building and construction showing sharp increases for the first quarter of the year. Meanwhile, many of the manufacturers of raw materials reported increased activity last week, a possible indication of the improved conditions to come later. Prices on the whole remained firm except for reductions made in the price for zinc sulphides and alcohols.

Southern and local markets for rosin and turpentine apparently had an improved tone last week, the trend of prices being upward at times, although daily changes were within narrow or moderate limits. The movement from the woods to the seaboard was still on a diminishing scale and a continuation of light receipts seemed to be indicated for the remainder of the season. Business was quiet.

The United States was the only purchaser of amphorous graphite produced in the Guaymas district of Mexico during the third quarter of 1938, according to the Department of Commerce. Exports to the United States during the third quarter amounted to 4,338,668 pounds, on top of 12,880,063 pounds purchased up to the end of September, 1938. Amount of casein imported into the United States during the month of November, 1938, was estimated at 44,515 pounds by the Department of Commerce, while imports of glues for the same period was estimated at 3,586 pounds.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Gum, thus, 50c. per 280 lbs.
Rosin, gum, 15c. to 30c. per 280 lbs.
Turpentine, gum, 1½c. per gal.

Reduced

Alcohol, diacetone, pure, 2½c. per lb.
technical, 2c. per lb.
Zinc sulphide, ½c. per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
131.7	131.7	131.1	131.6

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Purchasing of lead increased slightly last week over the week before and sellers reported the demand was satisfactory for this time of year. The price was lowered slightly during the week at the London market. Slab zinc followed along the same lines as lead. The price also dropped slightly at the London exchange.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from December 31, 1938, to January 6, inclusive, were as follows:—

	Pigs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0475@0.0480	$0.0460	15 0 0
Monday	....@....	....	.. .. ..
Tuesday	.0485@.0490	.0470	15 0 0
Wednesday	.0485@.0490	.0470	14 17 6
Thursday	.0485@.0490	.0470	14 18 9
Friday	.0485@.0490	.0470	14 15 0

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from December 31, 1938, to January 6, inclusive, were as follows:—

	Slabs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0490	$0.0450	.. .. ..
Monday	....	....	.. .. ..
Tuesday	.0490	.0450	13 15 0
Wednesday	.0490	.0450	13 13 9
Thursday	.0490	.0450	13 15 0
Friday	.0490	.0450	13 12 6

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Pigments

Reductions in price for the various grades of zinc sulphides provided the outstanding feature of the pigments market during last week. While the market as a whole continued in a quiet position, better sentiment was expressed by producers than in the past several weeks. Some reported increased inquiries while others here and there felt the improvement in the form of orders. In common with men in the entire paint industry, vast improvement in conditions is hopefully expected during this present year.

White Lead.—Prices for this pigment were reported unchanged for the first quarter of 1939 at least. Slack demand that had prevailed during the latter months last year was reported gradually improving.

Red Lead.—Similar to white lead, the quoted price was expected to continue for the first quarter of the year. The lowering of the import duty on red lead from England, which took effect on January 1, had not been reflected in the price last week.

Litharge.—The market closed the old year quietly and there was not much improvement noted for the first week of 1939. Like red lead, the lowering of the import duty on litharge from England had not been reflected in the price.

Lithopone. — Although many producers of lithopone reported increased interest last week, it did not show in the condition of the market, which remained unchanged. Increased activity was looked for toward the end of this month.

Titanium Pigments.—No heavy interest was reported in the market following the price reductions quoted here in the last issue.

Zinc Sulphide.—Reduction of ½c. per pound in prices for zinc sulphide was made last week. The schedule follows:—Bags, car lots, delivered, 7⅞c. per pound; bags, less than car lots, delivered, 8⅛c. per pound; barrels, car lots, delivered, 8⅛c. per pound; barrels, less than car lots, delivered, 8⅜c. per pound.

Zinc Oxides.—No price changes were reported last week for leaded zinc oxides. The demands on the market were light, but were increased from the week before. Inquiries and demands were expected to grow more numerous during the later weeks of the month.

Fillers and Extenders

Quiet was the keynote for materials in this market during the past week. In common with the status of other paint materials much improvement in conditions is looked for within the next few weeks. Producers reported that despite the lowering of the import duty on mica, feldspar and talc from Canada, and on China clay from England, the price situation would not be affected at present.

Barytes. — The situation here remained quite the same as it had in recent weeks. No price changes were evident and the purchases were as light as expected for this time of year.

Mica.—Interest in the market was reported lagging with producers concentrating on the increased activity that is expected next month.

Dry Colors

Purchases for the first week of the new year were reported brisker than expected. Following the usual year-end dullness noted at the termination of 1938 sellers of dry colors received many inquiries and, in some cases, orders for immediate delivery.

Carbon Black.—Factors indicated that on the basis of present orders conditions for the first part of the new year will be as satisfactory as estimated. The failure in recent weeks to put into effect a higher price for 1939 because of competitive conditions, the indica-

THE CALCO CHEMICAL COMPANY, INC.
BOUND BROOK, Calco NEW JERSEY
A DIVISION OF AMERICAN CYANAMID CO.
BOSTON • PHILADELPHIA • PROVIDENCE
NEW YORK • CHARLOTTE • CHICAGO • PATERSON

Tested PERFORMANCE

Low Grinding Cost Gives Mapicos An "Edge" in Economy

"Economical" is a good word to apply to Mapico Colors, for they represent economy in several ways one of which is low grinding cost. Their advantage in this respect is due to exceptional wetability in both standard and synthetic type vehicles. • Performance tests applied to this characteristic reveal an ease of mixing and grinding which reduces processing time to a minimum.

Technical Inquiry Invited

MAPICO Colors
PURE OXIDES OF IRON
YELLOWS • REDS • BROWNS • BLACK

MAGNETIC PIGMENT CO.
BINNEY & SMITH CO.,
Distributors
41 EAST 42nd STREET, NEW YORK, N. Y.

Mapico colors give a good performance also in the field of
DRYING TIME
FLOW • LEVELING
DURABILITY
HIDING POWER

tions are that the net profits of leading producers will not register much improvement during the first three or four months this year as compared with a similar period in 1938. The current base price for domestic carbon black prevailed throughout the latter part of 1938 and is the lowest for many years.

Chrome Colors. — Demands on the market were reported heavier in many quarters. The price, however, remained firm.

Iron Blues.—Sellers of Prussian, Chinese, Milori and other blues in this group reported fair returns in their negotiating of contracts for 1939. The Netherlands furnished the bulk of the imports of iron blues into Argentina during 1937, the figure increasing during that year over the previous year. The figure for the United States in 1937 decreased. The Netherlands imported 34,877 kilos into Argentina in 1937 compared with 27,561 kilos in 1936. Imports from the United States in 1937 totalled 2,638 kilos and 4,418 kilos in the preceding year.

Lithol Toners. — Contracts for 1939 were still being negotiated at the listed price. Spot demand was slight.

Ultramarine Blue.—Lowering of the import duty on ultramarine blue from England had not as yet affected the price which remained as listed. Demands on the market were light.

Varnish Gums

Little spot demand had been reported last week but producers expressed satisfaction at the outlook for this year. Prices locally were about unchanged and conditions at other points were reported firm and quiet. An increase in activity was looked for during the latter part of this month.

Copals. — Sellers continued negotiations of contracts for 1939. The spot market was quiet.

Dammars.—The tone of the market was firm but it was reported little interest in spot business was evident.

Synthetic Resins

A slight but welcome improvement in buying interest was reported by manufacturers of ester gums. Although demands or inquiries had not reached the point expected later in this month, it was a happy change from the dullness of the latter part of last year. On the price side of the market no activity was reported with the schedule remaining at the quoted level.

Naval Stores

Southern and local markets for rosin and turpentine had a generally steady or firm tone last week although no material broadening of business was noted. Reports were current at times to the effect that inquiries were received from domestic and foreign buyers in an increased volume but these were not reflected to any extent of consequences in actual business. The feeling in trade circles, however, appeared to have undergone a slight change for the better. The belief existed in some quarters here that conferences between representatives of the naval stores industry and government officials concerning the granting of sufficient funds to cover production and marketing operations during all of the coming season would be resumed shortly and that the result of these meetings was likely to be favorable from the viewpoint of producers of pine products.

However that may be the offerings of rosin and turpentine in Southern markets were generally light or moderate last week and the trend of prices was upward at times although changes from day to day were not very wide. The movement of rosin and turpentine from the interior to the primary markets was again on a diminishing scale and the indications seemed to point to a continuation of light receipts during remainder of the current naval stores year. In the opinion of some the arrivals in primary markets during the next five to six weeks will probably prove to be exceptionally small unless prices should rise far above the present level in the meantime. Rains were reported in various sections of the South during the week, the precipitation being regarded as favorable.

French markets for naval stores were quiet November, according to consular advices from Bordeaux. The work of gathering the scrape crop was completed under favorable weather conditions but up to the close of the month all of the gum had not been fowarded to the stills and the size of the production for the season was not definitely known, though it was stated that the quality of the crop was very good. Total exports of turpentine from France for the first ten months of 1938 were 3,068 metric tons against 839 metric tons in the same time in 1937, while rosin exports were 41,182 metric tons against 28,927 metric tons.

According to statistics forwarded from Athens by the American Commercial Attache exports of turpentine from May 1 to October 31, 1938, were 1,996 metric tons against 2,245 metric tons in the same time in the previous year; rosin, 9,045 metric tons, against 11,520 metric tons.

Turpentine.—The market here was steadier, this being a reflection of developments in the South where sentiment was apparently strengthened to some extent by a continuation of light receipts and offerings and by reports of some improvement in the inquiry although transactions as officially reported were small. Purchasing here was limited to unimportant quantities, consumers generally being disinclined to anticipate.

SAVANNAH, Jan. 6.—The market for turpentine ruled quiet and steady. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
*Saturday	..	...	...	...	.....
*Monday	..	...	...	...	.....
Tuesday	23½	46	33	1,044	50,145
Wednesday	23½	9	99	48	50,196
Thursday	24	12	30	55	50,171
Friday	24½	14	222	...	50,393

* No trading.

JACKSONVILLE, Jan. 6.—The tureptine market had a steady undertone. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
*Saturday	..	...	...	...	.....
*Monday	..	...	...	...	.....
Tuesday	23¼	29	71	1.179	48,683
Wednesday	23½	...	76	...	48,739
Thursday	23¾	14	14	...	48,753
Friday	25	17	46	4	48,795

* No trading.

PENSACOLA, Dec. 31.—Turpentine was quiet. Following is a record of the market for the week:—

	Barrels Receipts.	Shipments.	Stocks.
*Monday	..	...	.....
Tuesday	48	...	31,747
Wednesday	14	162	31,599
Thursday	26	121	31,504
Friday	6	...	31,510
Saturday	24	...	31,534

* Holiday.

CHICAGO, Jan. 6.—Turpentine buyers are preserving the cautious attitude noted for some time past, and are taking in only small amounts. This applies to both wholesale and retail trade. Ruling prices at the close of business last night were:—Five-drum lots, 30c. per gallon; five wood barrels, 35c.; single drums, 33c.; single barrels, 38c.

LONDON, Jan. 6.—Quotations on turpentine were as follows:—

	Per cwt. In bbls. s.	d.
Saturday	33	6
Monday	..	..
Tuesday	33	6
Wednesday	33	6
Thursday	33	6
Friday	33	6

Stocks of American turpentine in London were:—

	Jan. 6.	Previous week.	Last year.
Barrels	29,503	28,759	30,072

Rosin.—Small-lot buying was the rule in the local market for rosin last week, the aggregate movement of such quantities being unimportant, as many consumers and dealers were still busy with the work of inventory taking and not inclined to add materially to their holdings. The tone here was steadier, however, as the trend of prices was upward at times in primary centers where receipts and offerings continued light.

SAVANNAH, Jan. 6.—The rosin market was quiet, with the undertone steady. Following is a record of the market for the week:

	Price per unit—Low of range quoted *Sat.	*Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	...	$3.70	$3.70	$3.70	$3.70
D	...	...	3.90	3.90	3.90	3.90
E	...	...	4.05	4.10	4.00	4.10
F	...	...	4.30	4.32½	4.35	4.40
G	...	...	4.45	4.52½	4.57½	4.65
H	...	...	4.45	4.52½	4.60	4.65
I	...	...	4.45	4.52½	4.60	4.65
K	...	...	4.45	4.52½	4.60	4.65
M	...	...	4.50	4.60	4.70	4.75
N	...	...	5.50	5.50	5.60	5.60
WG	...	...	5.90	5.90	5.90	5.90
WW	...	...	6.50	6.50	6.50	6.50
X	...	...	6.50	6.50	6.50	6.50

	Barrels			
Sales	...	241	174	169	...
Receipts	...	1,302	332	765	209
Shipments	...	2,747	10	693	68
Stocks	...	311,802	312,124	312,191	312,322
	...	311,802	312,124	...	...

* No trading.

FOR '39 MODEL PAINT
"ARATONE"
270
The MICA PIGMENT for Paint
Private Label CASEIN PAINT
Atlantic Research Products
Incorporated
Newtonville Massachusetts

THE BRADLEY STENCIL MACHINE

MACHINES TO CUT ½ in., ¾ in., 1¼ in., 1½ in. LETTERS
CUTS PAPER SHIPPING STENCILS
A. J. Bradley Mfg. Co.
101 Beekman Street New York

"SUCO"
Ultramarine Blues
Alkali Blue Toners
Methyl Violet Toners
Blanc Fixe
STANDARD ULTRAMARINE COMPANY
HUNTINGTON, W. VA.

for 1939
STANDARDIZE ON
DICALITE
"L" GRADE
As Extender
for better
Pigmented Paint
PRODUCTS
THE DICALITE COMPANY
520 N. Michigan Ave. CHICAGO
120 Wall St. NEW YORK
756 S. Broadway LOS ANGELES
PRODUCTS OF UNIFORM SUPERIOR PERFORMANCE

HOW TO PULL MORE PROFIT OUT OF YOUR PAINT
NOT rabbits out of your hat, but *profits* out of your paint! That's the sort of magic you can perform when you treat your paints with
FRITZSCHE BROTHERS' PAINT DEODORANT No. 5
By using this new and proven deodorant you can give the consumer what he has been waiting for *and will buy* — namely, paint *without objectionable odor*. The cost is negligible — 1 lb. of "No. 5" effectively masks 350 gallons of the average paint. Write for particulars TODAY.
FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.

JACKSONVILLE, Jan. 6.—Rosin receipts were lighter. The market had a steady tone. Following is a record of the market for the week:—

	Price per unit—Low of range quoted					
	*Sat.	*Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	...	$3.60	$3.70	$3.70	$3.70
D	...	...	3.90	3.90	3.90	3.90
E	...	...	4.00	4.10	4.10	4.10
F	...	...	4.25	4.32½	4.37½	4.40
G	...	...	4.45	4.52½	4.57½	4.65
H	...	...	4.45	4.52½	4.57½	4.65
I	...	...	4.45	4.52½	4.60	4.65
K	...	...	4.45	4.52½	4.60	4.65
M	...	...	4.50	4.60	4.60	4.75
N	...	...	5.50	5.60	5.60	5.75
WG	...	...	5.75	5.90	5.90	5.90
WW	...	...	6.25	6.50	6.50	6.50
X	...	...	6.25	6.50	6.50	6.50
	Barrels					
Sales	...	...	142	93	...	255
Receipts	...	...	395	76	140	227
Shipments	...	...	1,812	...	24	376
Stocks	...	...	282,635	282,918	283,038	283,284
	...	...	282,635	282,918	...	...

* No trading.

PENSACOLA, Dec. 31.—Rosin was quiet and steady. Following is a record of the market for the week:—

	Barrels					
	*Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	...	311	64	124	35	132
Shipments	...	...	668	...	...	400
Stocks	...	80,899	80,225	80,419	80,454	80,236

* Holiday.

CHICAGO, Jan. 6.—Buying is slow in rosin and prices are little changed, although advances are more the rule than decreases. Inquiries are reported in the market in modest amounts. Volume itself is held down to low levels. Ruling prices at the close of business last night were:—B grade, $6.70 per lot of 280 pounds; G grade, $7.45; M grade, $7.50; W.W. grade, $9.50.

LONDON, Jan. 6.—Quotations on American rosin were as follows:—

	Per cwt. in barrels			
	Common.		W.W.	
	s.	d.	s.	d.
Saturday	14	4½	19	3
Monday	..	..	..	..
Tuesday	14	4½	19	3
Wednesday	14	4½	19	3
Thursday	14	4½	19	3
Friday	14	4½	19	3

Pine Oil.—A steady tone continued to prevail here. Quiet conditions ruled so far as new business was concerned though there were reports of a fair movement to consumers on contracts.

Pitch.—A fair inquiry was noted, but as a rule consumers were disposed to limit their takings to comparatively small or moderate lots to fill current needs. The market had a steady tone.

Rosin Oil.—No broadening of business was reported, such transactions as were noted being limited to small or moderate lots for prompt shipment. Quotations were generally held at previous levels.

Tar.—The market retained a steady tone although there was no change of consequence in the attitude of consumers, many of whom were apparently still occupied with the work of inventory taking.

Shellac

The new year began quietly in the market for shellac. Broadening of sales volume awaited on two things. First, on the accomplishment of inventories now being taken by many buyers for consumption. Second, larger demand for products into which shellac goes as an important element. A fairly good sentiment regarding future trade prevailed on spot and since prices were generally low—especially in the primary market—it was felt that a deal of stability would feature market conditions during the early part of 1939. Some broadening of inquiry was noted during the period under review but a lack of substantial buying made the inquiry merely an arrow pointing to possible improvement of contract buying later on. Since business in general is expected to improve in the new year, there was reason to expect that sales of shellac would share in the gain. Prices were very steady.

Calcutta, Jan. 6.—Shellac quotations on the landed New York basis, ex dock, net cash, were as follows:—

	Per pound	
	Jan. 6.	Dec. 30.
January	10¼c.	10¼c.

Day-to-day prices were as follows:—

	Per pound.
December 30	10¼c.
December 31	10¼c.
*January 2	.....
January 3	10¼c.
January 4	10¼c.
January 5	10¼c.
January 6	10¼c.

* Holiday.

London, Jan. 6.—Prices quoted on London standard T.N. shellac, basis of sterling exchange at $4.88, were as follows:—

	January 6		December 30	
	Shillings. Cwt.	Cents. lb.	Shillings. Cwt.	Cents. lb.
March	39½	8.61	39	8.50
May	40½	8.83	40	8.72

Day-to-day closing prices were as follows:—

	Per hundredweight			
	March.		May.	
December 30	39s	..	40s	..
December 31	39s	..	40s	..
*January 2	...	..	...	..
January 3	39s	..	40s	..
January 4	39s	..	40s	..
January 5	39s	..	40s	..
January 6	39s	6d	40s	6d

* Holiday.

Lacquer Materials

Business in the market for lacquer materials and solvents was at moderately active levels in most divisions of the market last week. With operating levels well maintained in practically all major consuming channels, the market started the new year with bright prospects. A sharp reduction in the quotations for pure and technical diacetone alcohol featured the market pricewise. The sharp advance in production and shipments of cellulose acetate was a good example of the pick-up in business during the latter part of last year. November production of sheets, rods and tubes amounted to 1,331,717 pounds, compared with 782,929 pounds in the same month a year ago, while shipments totaled 1,250,528 pounds, against 678,319 pounds in November, 1937.

Alcohol, Diacetone. — Quotations for the pure material were lowered 2½c. per pound, and the technical 2c. per pound. The schedule follows:—Pure, drums, car lot, freight allowed, 9c. per pound, less car lot, same basis, 9½c. per pound, and tanks 8c. per pound; technical, drums, car lot, freight allowed, 8½c. per pound, less car lot, same basis, 9c. per pound, and tanks, 7½c. per pound.

Cellulose Acetate. — Quotations were well maintained at recently established levels, business was moderately active last week. November production of cellulose acetate sheets, rods and tubes totaled 1,331,717 pounds, against 944,557 pounds in the preceding month and 782,929 pounds in November, 1937. For the first eleven months production aggregated 5,718,867 pounds, against 12,610,984 in the corresponding period a year ago. Shipments of sheets, rods and tubes during November were 1,250,528 pounds, compared with 1,048,487 pounds in October and 678,319 pounds in the same month a year ago. For the first eleven months shipments amounted to 5,749,294 pounds, compared with 12,456,195 pounds in the corresponding period a year ago.

Ethyl Acetate.—Interest in the market was fairly well maintained throughout the week just closed. Schedules were in conformity with the quotations established recently.

Tricresyl Phosphate. — Consumers were making moderate withdrawals in this direction. Quotations were without alteration, and a steady to firm tone governed the dealings.

Driers

With the prices of stearates and palmitates unchanged for the first quarter of the year little of interest in that phase of the business was reported last week. Contracting for 1939 was active, with the activity expected to increase as the month continues. At present the demands were at the level that might be expected for the beginning of the year.

Glues and Binders

Casein.—Activity in this market was still along reduced lines and producers agreed that current demand was below normal. Production was also reported sub-normal and prices remained unchanged at the listed figures.

Glues. — Increased movements were reported last week. Prices for the glue products were unchanged, although the tone of the market was reported stronger than it was the previous week, when it was considered soft.

Paint Plants to Be Established In North China and Dairen

The Osaka Paint Company will establish a plant at Dairen, later to be followed by the erection of a factory at either Tsingtao or Tientsin. Paints and putty will be manufactured at Dairen and production will be started at a later date on varnishes, enamels, and lacquers. The name of the new firm will be the Asia Paint Company, a subsidiary of the Osaka Paint Company, and the initial capital will be 100,000 yen. The new firm will be financed jointly by the Osaka Paint Company and the Dairen-Toyonari Paint Company, according to the office of the American commercial attache in Tokyo.

EXECUTIVE—SALES MANAGER

National Can Manufacturer desires service of experienced man who has sold large Paint Manufacturers east of the Rocky Mountains.

Applicant must be acquainted with large and small companies.

Age preference 35 to 45 years of age. Must be willing to locate in Middle West.

Address replies to Box 241, Oil, Paint and Drug Reporter.

Here it is!

We have issued a comprehensive chart showing the physical and chemical characteristics of Imperial colors. The information is based on thorough and careful tests and is tabulated to save considerable time and enable you to get best results in various formulations. If you are not now using this chart

You will want

A COPY FOR YOUR PERSONAL USE

Write us, or use the coupon below

IMPERIAL PAPER AND COLOR CORPORATION

pigment color division **GLENS FALLS, N. Y.**

The largest manufacturers of chemical pigment colors in America

Please send me without obligation a copy of "Characteristics of Imperial Colors."

My Name..... *Company*.....

Address.....OPD

Paint, Varnish, Lacquer Sales Down

The value of paint, varnish, lacquer and fillers sold in November, as reported by 680 establishments to the Bureau of Census, was $26,253,314. Details of sales reported by these establishments and comparative data for 1938 follow:—

1938.	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments— Trade sales of paint, varnish, and lacquer.	Industrial sales— Total.	Industrial sales— Paint and varnish.	Industrial sales— Lacquer.	Unclassified sales reported by 100 establishments.
January	$22,115,195	$11,448,115	$8,282,661	$5,748,170	$2,534,491	$2,384,419
February	22,625,906	12,535,636	7,942,419	5,455,659	2,486,760	2,147,851
March	30,728,890	17,227,950	10,417,161	7,285,635	3,131,526	3,083,779
April	34,731,597	20,861,998	10,392,797	7,498,010	2,894,787	3,476,802
May	36,827,421	22,900,709	10,135,607	7,292,333	2,843,274	3,791,105
June	33,936,706	20,767,900	9,763,856	7,049,096	2,714,760	3,404,950
July	27,946,084	16,368,159	8,806,128	6,384,620	2,421,508	2,771,797
August	30,182,013	17,224,845	9,894,867	6,879,994	3,014,873	3,062,301
September	31,046,584	17,431,211	10,492,087	7,139,367	3,352,720	3,123,286
October	30,007,078	16,128,067	10,985,822	7,343,960	3,641,862	2,893,189
November	26,253,314	13,183,545	10,638,281	6,950,589	3,687,692	2,431,488
Totals, 11 mos. 1937.	$326,400,788	$186,078,135	$107,751,686	$75,027,433	$32,724,253	$32,570,967
January to October	373,649,939	193,989,148	144,976,826	102,473,056	42,503,770	34,683,965
November	26,105,315	12,790,654	10,889,719	7,169,000	3,720,719	2,424,942
Totals, 11 mos.	$399,755,254	$206,779,802	$155,866,545	$109,642,056	$46,224,489	$37,108,907
Totals, year	419,103,821	215,868,460	164,160,287	115,295,425	48,864,862	39,075,074

LAMP CARBON BONE **BLACKS** LAKE VINE OXIDE
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

Headquarters for **ROSIN OIL**
WRITE FOR OUR "PINE TREE PRODUCTS" BOOKLET
NATIONAL ROSIN OIL AND SIZE COMPANY
R. K. O. Building, Rockefeller Center, New York, N. Y.
Offices: 3001 West 47th Street, Chicago, Ill. Factory: Savannah, Ga.

PLYMOUTH STEARATES
ALUMINUM - ZINC - CALCIUM
Established Qualities Manufactured for twenty years by
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
55 ANN STREET, NEW YORK CITY

STANLEY DOGGETT, Inc.
ESTABLISHED 1878
MANUFACTURERS and IMPORTERS
DRY COLORS OF MERIT—QUALITY PIGMENTS
75 VARICK STREET, NEW YORK

Georgia White Clay—Fuller's Earth
Carload shipments direct from producers
TAINTOR TRADING COMPANY, Inc.
24 State Street : : : New York

For tinted exterior paints in grays and buffs you will obtain the best results with
RAYTINT
We will gladly furnish samples and information
R. T. VANDERBILT CO · Inc
230 Park Avenue · New York City

Neoprene Impedes Gases Better Than Rubber

OPD Washington Bureau
January 4, 1939

Experiments at the National Bureau of Standards show that the permeability of neoprene to gases is about one-fifth to one-sixth that of rubber in films of equal thickness and about one-third to one-fourth in films of equal weight, the difference being caused by the higher specific gravity of neoprene. The relative permeabilities to helium and carbon dioxide, with that to hydrogen as unity, are approximately the same as those of rubber, the permeability to helium being lower and that to carbon dioxide higher than the rate of permeation of hydrogen. The increase in permeability with temperature is likewise exponential. It has been known in general that neoprene is less permeable to gases than rubber. The results of this study indicate the magnitude of this difference.

The presence of cloth in neoprene-coated fabrics was found to contribute to the impedance to gases to the same extent as in rubberized fabrics. The presence of moderate amounts of the usual compounding ingredients does not appreciably affect the rate of permeation. While no advantage was gained from the inclusion of paraffin wax in the coating composition, its employment as a supplementary coating on the fabric was shown to lower the permeability decidedly. Coatings spread with cements containing highly volatile solvents tend to have pinholes. Toluene, or its equivalent, appears to be the most satisfactory solvent.

Because of its high elastic extensivility rubber has long been employed as the gas-retaining film in the construction of balloons and other inflated objects. However, its comparatively high permeability limits its usefulness for many purposes, particularly in gas-containing structures in lighter-than-air craft. Neoprene differs from rubber in its superior resistance to swelling in oils and gasoline. Since it was known that it is likewise less permeable to gases, and in view of its possible use in the construction of aeronautical fabrics, the Bureau of Aeronautics, United States Navy Department, requested the National Bureau of Standards to investigate the subject, and the above data were obtained as the result of this study.

Standards Bureau Publishes Survey on Roofing Materials

As part of the research program of the National Bureau of Standards on building materials and structures, a survey has been made of the weathering qualities and extent of use of various roofing materials in the Southeastern States. Observations have been made on the extent of use of the various roofing materials on new and old construction; also a tabulation was prepared, by States, of the kinds of roofing materials on more than 10,000 rural and small-town dwellings, along 2,500 miles of highway. This report is the sixth to be issued by the bureau in the series entitled "Building Materials and Structures." Copies of BMS6 are obtainable from the Superintendent of Documents, Washington, at 15 cents each.

Japanese Pyroxylin Plastics Firms to Be Consolidated

The affiliates of the Dai Nippon Celluloid Company including the Sangoku Celluloid Company, the Japan Celluloid Manufacturing Company and the Royal Celluloid Company, each capitalized at 500,000 yen will be merged as the result of informal permission having been granted by the Industrial Funds Control Commission. It was reported that the merger of the three affiliates of Dai Nippon Celluloid' has been bitterly opposed by the smaller plastics makers according to the office of the American Commercial attache at Tokyo.

Phenolic Resin Offered By France, Campbell & Darling

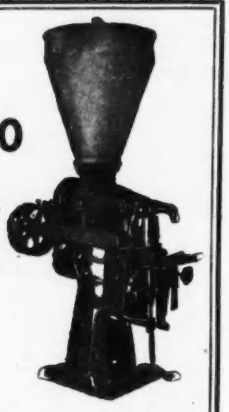
France, Campbell & Darling, Inc., Brooklyn is offering a new 100 percent phenolic resin under the name of 'F.C.D. No. 100.' This new phenolic resin is the first of an extensive line of 100 percent and modified phenolic resins which will supplement the line of ester gums, processed natural resins and modified alkyds now produced by the company. The company claims its new product to be of heat-advancing, oil-reaction type, non-reactive with pigments. Further claim is made that it reacts in varnishes to form finished products recommended for use where resistance to alkali, alcohol or charring is essential. It is manufactured by a special process, and has a clear, colorless appearance.

Wherrett Views 1939 Favorably

H. S. Wherrett, president of the Pittsburgh Plate Glass Company, in a letter to stockholders, stated that the outlook for 1939 is hopeful, and he added that although there may be some temporary interruption in the progress of recovery, it is reasonable to expect that the upward trend which gained headway during the past few months will be extended well through the new year. Mr. Wherrett reported improvement in demand for the company's products since September 1.

Allied Asphalt & Mineral Corporation, this city, has appointed A. C. Nispel, 131 Beverly street, Boston, as its representative in the New England area.

No. 10 PASTE FILLER



For filling any materials in paste form. Particularly adapted for White Lead.
Write for Quotation
ARTHUR COLTON CO.
2624 E. Jefferson Avenue
DETROIT - MICHIGAN

Shawnee
DRY COLORS
"Color Content Guaranteed"
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

mineral pigments
NATURAL AND SYNTHETIC
PURE CHROMIUM OXIDES
are
STRONG - INERT - PERMANENT
C K WILLIAMS & COMPANY
EASTON·PENNSYLVANIA

U.K. Tariff Bargain Ramifications Shown

—Continued from page 4

and manufactures of; schedule 7, agricultural products and provisions; schedule 8, spirits, wines, and other beverages.

Volume VII—Schedule 9, cotton manufactures; schedule 10, flax, hemp, jute, and manufactures of; schedule 11, wool and manufactures of; schedule 12, manufactures of silk.

Volume VIII—Schedule 15, sundries.

The introduction (volume I) gives an analysis of the character and trend of the trade between the United States and the United Kingdom, the British Colonies, and Newfoundland in recent years; it also presents a brief summary of the trade and tariff policies of the two contracting countries and of conditions leading up to the present agreement. In addition, the introduction contains an analysis of the agreement, showing the different types of concessions granted and received by the two countries. Tables set forth in detail the tariff history and the value of trade for each article affected by the agreement.

The other seven volumes consist of digests of trade data for all commodities with respect to which the United States either reduced the rates of duty or agreed not to increase them. These digests summarize for each commodity information regarding the old and new rates of duty, domestic production, imports and exports, and the conditions of competition between imports and domestic production. The material presented has been drawn from the detailed data made available by the tariff commission to the trade agreements committee, which is the interdepartmental administrative body charged with carrying out the trade agreements program. The digests relate only to those commodities on which concessions were made; a large number of other items were considered before and during the negotiations, but no action was taken on them.

Copies of any of the volumes may be obtained from the United States Tariff Commission, Washington.

Bids Wanted

Acetone:—400 gallons; Commanding Officer, Picatinny Arsenal, N. J.; procurement 483, opening January 20.

Alcohol:—652,200 pounds for smokeless powder; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 5300, opening January 17.

Diphenylamine:—21,200 pounds for White Plains; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 5302, opening January 17.

Enamel:—1,000 gallons; Bureau of Supply, Treasury Department, Procurement Division, Washington; procurement 5067, opening January 16.

Fertilizer:—68 tons; Chief Clerk, Federal Reformatory, Chillicothe, Ohio; procurement 374, opening January 16.

Fuel, Motor:—700,000 gallons of V; General Purchasing Officer, The Panama Canal, Washington; schedule 3410, opening January 10.

Gasoline:—890,000 gallons; General Purchasing Officer, The Panama Canal, Washington; schedule 3410, opening January 10.

Supplies, region 3, during the period April 1 to June 30; Bureau of Supply, Treasury Department, Procurement Division, Washington; procurement 16914-G, opening January 9.

Gasoline:—100,000 gallons of aviation, for St. Thomas, V. I.; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 5352, opening January 9.

Kerosene:—50,000 gallons; State Procurement Office, Treasury Department, Newark; procurement 27322A, opening January 9.

300,000 gallons; General Purchasing Officer, The Panama Canal, Washington; schedule 3410, opening January 10.

8,000 gallons for Quantico; Quartermaster Marine Corps, Washington; schedule 375, opening January 11.

Lead, Red:—4,000 pounds; U. S. Engineer Office, New York; procurement 187, opening January 11.

White:—6,000 pounds; U. S. Engineer Office, New York; procurement 187, opening January 11.

10,000 pounds; The Public Building Branch of the Treasury Department, Washington; procurement 5096-S, opening January 9.

Lime, Hydrated:—2,000 pounds; Chief Clerk, Federal Reformatory, Chillicothe, Ohio; procurement 375 opening January 16.

Pepper, Black:—4,000 pounds; Naval Supply Depot, Norfolk, Va.; schedule 387, opening February 14.

Resin:—20,000 pounds of phenol-formaldehyde; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 5246, opening January 10.

Soap, Laundry:—30 cases; U. S. Engineer Office, Federal building, Buffalo, N. Y.; procurement 82, opening January 13.

500,000 pounds; Quartermaster Supply Officer, Brooklyn, N. Y.; procurement 143, opening January 27.

Chip:—1,200 pounds; Chief Clerk, Federal Detention Headquarters, New Orleans, La.; procurement 613, opening January 10.

Toilet:—50,000 cakes; Quartermaster Supply Officer, Brooklyn; procurement 143, opening January 27.

Soda Phosphate, Tribasic.—1,500 pounds; Chief Clerk, Federal Detention Headquarters, New Orleans; procurement 613, opening January 10.

Sulphur:—1,604 tons for White Plains; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 5301, opening January 17.

Titanium Dioxide:—10,000 pounds of pure for Norfolk; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 5252, opening January 10.

Contracts Awarded

Acetylene:—2,000 cubic feet and 4,000 cubic feet of oxygen; awarded to the National Cylinder Gas Company, Peoria, Ill., by the Army Engineer Corps, Chicago, at $76.40; circular 54, opened December 1.

Lead, Red:—10,002 pounds; awarded to the Imperious Paint & Varnish Company, Philadelphia, Pa., by the Commanding Officer, Raritan Arsenal, N. J.; at 9.79c. per pound; procurement 55, opened December 7.

Oil, Fuel:—1,500 barrels; awarded to the Texas Company, Puerta de Tierra, P. R., at 95c. per barrel, by the Lighthouse Service, San Juan, P. R.; procurement 6201, opened December 7.

Phosphate Rock:—Supplies washed brown sand; awarded to the Hoover & Mason Phosphate Company, Chicago, by the Tennessee Valley Authority, Knoxville, at $3.70 and $3.80 per ton; requisition 126020, opened December 9.

Quenching:—1,800 gallons; awarded to the Socony-Vacuum Oil Company, New York; by the Watervliet Arsenal, N. Y.; at 14c. per gallon; procurement 95, opened December 12.

Shortenings Increased in 1937

Establishments manufacturing shortenings, vegetable cooking oils, and salad oils in the United States reported the total number of wage earners employed in this industry in 1937 amounted to 4,901 against 4,845 in 1935, and wages paid, $5,651,480, exceeded the 1935 figures of $4,708,783. The total value of the products of the industry in 1937 was $239,495,067, against $212,689,011 in 1935, according to the Bureau of the Census. There were forty-nine establishments in 1937, against forty-eight in 1935. Cost of materials, etc., totaled 204,383,306 in 1937, against 177,920,994 in 1935.

This industry, as classified for Census purposes, embraces establishments engaged primarily in the manufacture of shortenings (other than lard) compounded of both animal and vegetable oils and fats or of vegetable oils only, and in the manufacture of vegetable cooking oils and salad oils. The classification does not cover the manufacture of these commodities as secondary products of meat-packing plants and by plants classified in certain other industries.

Joyce Optimistic on 1939

The Glidden Company, Cleveland, reported a net income of $205,597 for the fiscal year ended October 31, 1938. This compared with a 1937 fiscal year income of $2,542,793 after charges, equal after preferred dividends to $2.62 a share on the outstanding common shares. Current assets totaled $17,045,484, against current liabilities of $1,655,865.

Adrian D. Joyce, president of the company, stated that prospects for the new fiscal year are encouraging. The results of the operations for November show a fine improvement over November of last year, he added. Mr. Joyce further stated that with expenses well in hand and inventories on a satisfactory basis, any improvement in the business situation should be quickly reflected in monthly reports.

Obituaries

Charles R. Buerger

Charles R. Buerger, vice-president of the Gulf Oil Corporation, Pittsburgh, died January 3 of a streptococcus infection in his home in that city. He was fifty-one years of age.

Born in Vienna, Mr. Buerger came to the United States with his parents as a boy. He graduated from the College of the City of New York, and subsequently gained a master's degree in engineering at Stevens Institute, Hoboken, N. J. Mr. Buerger was made a vice-president of the Gulf organization January 1, 1929, after serving for several years as general manager. Before becoming associated with the Gulf Oil Corporation, he served as general manager of the New England Refining Company, and for a period was chief engineer of the Atlantic Refining Company. He held several patents on oil refining equipment, and was considered an authority on the building and operation of refineries. He was a member of the refining committee of the American Petroleum Institute. Surviving are his wife and one son.

F.J. Cooledge, Sr.

F. J. Cooledge, sr., who retired fifteen years ago as the active head of the company of which he was the founder, F. J. Cooledge & Sons, paint and varnish manufacturer, Atlanta, Ga., died December 30 in his home in that city. He was eighty-three years of age.

Mr. Cooledge moved to Atlanta in the early 1870s, from Cotton Hill, Ga., where his father conducted a school, to enter the employ of Duck & Co., paint manufacturer. In 1883 his brothers joined him in the formation of F. J. Cooledge & Brothers, the firm name of which was subsequently changed to F. J. Cooledge & Sons. He was a founder of the Atlanta Paint, Oil and Varnish Club as well as the Georgia Manufacturers' Club. He was a Mason and a member of the Old Guard, an exclusive organization of Atlanta, and other civic organizations. Surviving are his wife, five daughters and four sons, A. H., Harold N., Calvin, and F. J., jr., who assumed the presidency of the Cooledge organization in 1922.

Frank R. Peterson

Frank R. Peterson, who was president of the National Association of Retail Druggists in 1924-25, died unexpectedly December 27, following a heart attack, in his home in Westwood, Calif. He was sixty-nine years of age.

Before going to California upon his retirement from business, Mr. Peterson had been prominently identified with the drug industry in Portland, Oregon. He was formerly a member of the Oregon State Board of Pharmacy. He was also long a member of the directorate of the national association he once headed.

Surviving are his wife, a daughter and five sons, Lynn G., Roy E., both of Los Angeles; George H., and Herbert A. and Fred L. Peterson, both Portland druggists.

Thomas T. Trammell

Thomas T. Trammell, a former varnish manufacturer, died December 29 in his home in Louisville of a heart ailment. He was seventy-three years of age.

Mr. Trammell in his early years was with the Peaslee Gaulbert Company, and later with the Louisville Varnish Company. In 1900 he formed the Ohio Falls Varnish Company. In 1906 H. J. Craig and H. F. Schaefer, of Indianapolis, bought into the company, which became the Sun Varnish Company. In 1915 Mr. Trammell sold his interests in the company to Mr. Craig and Mr. Schaefer and retired from active business. Surviving are his wife and a brother.

Charles L. Auger, founder and president of the National Dyeing & Printing Company, East Paterson, N. J., died January 5 in his home in Ridgewood, N. J. He was seventy-eight years of age. Surviving are his wife, two sons and a daughter.

George H. Chase, vice-president of the United States Royalties Corporation, died in Los Angeles, January 2. He was a director of the British-American Oil Company. He was seventy years of age.

Dr. Arthur Clifford Veatch, former scientific adviser to the United States Department of Justice, died December 24 in his home in Port Washington, L. I. He was sixty years of age. He was also formerly in charge of the exploration department of the Sinclair Oil Company.

Walter F. Fondren, who retired in 1933 from the Humble Oil & Refinery Company, of which he was a founder, died of a heart attack in San Antonio, Tex., January 5. He was sixty years old.

Thomas A. R. Goodlatte, a pioneer in the manufacture of oilcloth, died in his home in Passaic, N. J., January 4. He was ninety-two years of age. He founded the Goodlatte Oilcloth Company, Clifton, N. J., in 1888, which later became a part of the Standard Textile Products Company. Surviving are his wife, three sons and a daughter.

Williams on TNEC

Clyde Williams, Democratic representative from Missouri, has been appointed to the delegation of the House of Representatives on the Temporary National Economic Committee. He takes the place of Congressman Eicher, who resigned.

• The Complete Resin Line •

ARO-LINE SYNTHETICS

"Aro-Line for '39"

1 "S & W" ESTER GUM—*all types*

2 "AROLITE"—*modified phenolics and other condensates*

3 "AROFENE"—*pure phenolics*

4 "AROFLEX"—*alkyds*

5 "ARODURE"—*urea-alkyds*

Are you getting your copy of RESIN NEWS Regularly?

"S & W" NATURAL RESINS

—*all standard gradings • Damars • Kauris • Congos (imported and processed) • Manilas • Accroides • Elemi • Sandarac*

These resins include the right ones for your purpose . . . uniform and time-proved. Constant research will augment and improve them. Inquiries and problems will receive prompt and careful attention.

Stroock & Wittenberg Corporation

17 Battery Place, New York, N. Y.

Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Six-hundred-twenty-seventh Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Bromochlorocopper-Phthalocyanin

Dye

Starting point (Brit. 471435 and 470079) in making dyestuffs with—
- 1-Aminoanthraquinone
- 1-Amino-4-methylbenzene
- 1-Aminonaphthalene
- 2-Aminonaphthalene
- Benzylamine
- Dodecylamine
- 1:4-Diaminoanthraquinone
- Mixtures of alphaaminonaphthalene and paratoluidin
- Paraphenetidin
- Paratoluidin

Cashew Nutshell Oil

Disinfectant

Starting point (U.S. 1950085) in making—
- Nontoxic germicide comprising sodium salts of phenols of high molecular weight

Ink

Ingredient of—
- Inks

Insecticide

Repellant for—
- White ants (used by painting on furniture, books, and similar perishable articles)

Lubricant

Lubricant for—
- Boats

Miscellaneous

Preservative for—
- Fish nets

Paint and Varnish

Essential ingredient of—
- Coating agents for all types of cement surfaces particularly where the surface is subjected to continual wetting
- Coating agents for wood and metal surfaces to protect them from corrosive action
- Coating agents for laboratory table tops
- Coating agents for bottle caps to make them resistant to acids, alkalies, alcohol, and oil
- Insulating coatings
- New coating products said to combine the properties of Japanese lacquer with those of more ordinary varnishes
- Special varnishes

Starting point (U.S. 1977826 and 1838075) in making—
- Waterproof and insulating compositions by reacting with alkali, lime, and hydraulic cement

Pharmaceutical

Reputed in the Orient to have specific action in leprosy

Plastics

Ingredient of—
- Moulding compositions

Cashew Tree Sap

Ink

Indelible marking ink

4-Chlororesorcinol Methyl-ether

Disinfectant

Germicide (U.S. 2036827)

Dihexyl Peroxide

Mechanical

Activating agent (Brit. 443562) for—
- Diesel motor fuels

Dimethylacetal of Acetyl-acetaldehyde

Chemical

Intermediate (Brit. 466890) in making—
- Synthetic organic chemicals
- Synthetic organic pharmaceutical agents

Dye

Intermediate (Brit. 466890) in making—
- Synthetic dyestuffs

Textile

Textile assistant (Brit. 466890)

Dodecylphenylamino-acetic Acid, Normal

Chemical

Dispersing agent (Brit. 446813 and 446737) in making—
- Emulsions and dispersions of various chemicals
- Emulsions of hydrocarbons of various groups of the aliphatic and aromatic series
- Terpene emulsions
- Wetting compositions in emulsified form

Starting point in making various derivatives

Cosmetic

Dispersing agent (Brit. 446813 and 446737) in making—
- Creams in emulsified form
- Emulsified shampoos
- Lotions
- Latherless shaving creams
- Various emulsified perfumes and cosmetics

Disinfectant

Dispersing agent (Brit. 446813 and 446737) in making—
- Emulsified germicides and deodorizing preparations

Dye

Dispersing agent (Brit. 446813 and 446737) in making—
- Color lakes in emulsified form
- Dye preparations in emulsified form

Fats, Oils, and Waxes

Dispersing agent (Brit. 446813 and 446737) in making—
- Boring oils
- Drilling oils
- Emulsions of natural or synthetic waxes
- Emulsions of various animal and vegetable fats and oils
- Greasing compositions in emulsified form
- Lubricating compositions containing vegetable or animal fats and oils
- Solvents for fats in emulsified form
- Wetting compositions containing oils in emulsified form
- Wire-drawing oils in emulsified form

Ink

Dispersing agent (Brit. 446813 and 446737) in making—
- Printing inks
- Writing inks

Insecticide

Dispersing agent (Brit. 446813 and 446737) in making—
- Insecticidal preparations in emulsified form
- Vermin exterminators in emulsified form

Leather

Dispersing agent (Brit. 446813 and 446737) in making—
- Emulsified dressing compositions containing various substances, such as shellac, gums, resins, fats, and oils
- Emulsified fat-liquoring baths
- Emulsified finishing compositions
- Emulsified soaking compositions containing neatsfoot oil or other oils
- Emulsified waterproofing compositions

Miscellaneous

Dispersing agent (Brit. 446813 and 446737) in making—
- Automobile polishes
- Cleansing compositions containing soaps
- Compositions for cleansing painted and metal surfaces
- Degreasing and greasing compositions in emulsified form
- Detersive and scouring compositions
- Furniture polishes in emulsified form
- Metal polishes in emulsified form
- Scouring compositions for woodwork, linoleum, rugs, and the like
- Shoe creams and polishes in emulsified form
- Waterproofing compositions in emulsified form for treating miscellaneous fibrous and other compositions of matter

Oilcloth and Linoleum

Dispersing agent in making—
- Coating compositions

Paint and Varnish

Dispersing agent (Brit. 446813 and 446737) in making—
- Asphaltic paints and varnishes
- Emulsified paints and varnishes
- Pigment emulsions
- Shellac emulsions
- Waterproofing compositions in emulsified form

Paper

Dispersing agent (Brit. 446813 and 446737) in making—
- Emulsified preparations used for the treatment of paper and pulp products
- Sizing compositions in emulsified form, containing rosin, casein, starches, and the like
- Waterproofing compositions in emulsified form
- Waxing compositions in emulsified form

Petroleum

Dispersing agent (Brit. 446813 and 446737) in making—
- Emulsions containing petroleum or heavy petroleum distillates
- Emulsified cutting oils for lathe and screwpress work
- Kerosene emulsions
- Naphtha emulsions
- Soluble greases in emulsified form
- Soluble oils in emulsified form for lubricating textile machinery
- Various emulsified textile oils

Resins

Dispersing agent (Brit. 446813 and 446737) in making—
- Emulsions of natural or synthetic resins

Rubber

Dispersing agent (Brit. 446813 and 446737) in making—
- Rubber compositions in emulsified form
- Special emulsified preparations used for coating, protecting, decorating, and other surface-treating rubber merchandise

Soap

Dispersing agent (Brit. 446813 and 446737) in making—
- Hand-cleaning compositions in emulsified form
- Various emulsified cleansing compositions
- Various emulsified scouring compositions

Stone

Dispersing agent (Brit. 446813 and 446737) in making—
- Compositions for treating natural and artificial stone

Textile

Dyeing

Ingredient (Brit. 446813 and 446737) of—
- Dye baths in emulsified form (used as an assistant in dyeing various yarns and fabrics)

Finishing

Dispersing agent (Brit. 446813 and 446737) in—
- Dressing compositions in emulsified form
- Emulsified coating compositions
- Emulsified finishing compositions
- Emulsified impregnating compositions
- Emulsified sizing compositions
- Washing compositions in emulsified form

Manufacturing

Dispersing agent (Brit. 446813 and 446737) in—
- Dispersions used for carbonizing wool
- Dispersions used in fulling operations
- Dispersions used for degreasing raw wool
- Dispersions used for washing wool
- Emulsified preparations for degumming silk
- Emulsified mercerizing baths
- Emulsified milling compositions
- Emulsions used for kier boiling cotton
- Emulsions used for soaking silk
- Oil emulsions for treating fabrics
- Special lubricating compositions used in weaving, knitting, warping, and winding

Printing

Ingredient of—
- Printing pastes in emulsified form

Methylmetatolylamino-1:2-propylene Oxide

Dye

Starting point (Brit. 478514) in making—
- Bluish-red dyes for cellulose acetate, or mixed fabrics containing it, by coupling with diazotized para-nitroanilin

Paracresol Acetate

Perfume

Odorant in—
- Perfume blends

Phenylchlorvinyl Ketone

Chemical

Starting point (Brit. 466890) in making—
- Betaketoacetals with alcohols and alkalies or tertiary amines

Tetradecylbenzylmethyl-sulphonium Methosulphate

Cosmetic

Preservative (Brit. 464330) for—
- Cosmetic preparations

Fungicide

Mold inhibitor (Brit. 464330)

Miscellaneous

Disinfectant and preservative (Brit. 464330) for—
- Protein-containing products
- Starch-containing products

Trilorolamine Chloride

Building Construction

Fluidity promoter (Brit. 458266) for—
- Cement and concrete mixes

Ureamaltose

(A chemical compound obtained by evaporating an aqueous solution containing equimolecular proportions of the components)

Textile

Finishing, sizing, and weighting agent (Brit. 467749) for—
- Cotton
- Rayon
- Wool

Oils, Fats, and Waxes

Chinawood Oil Offerings Still Light and Market Stronger—Sperm Oil Lower—Cottonseed Oil Futures Irregular Within Narrow Limits—Coconut Steady—Trade Generally Slow

No change was noted last week in the character of business in miscellaneous oils, fats and greases. In some importing and refining quarters a fair inquiry was reported for small lots, but the movement of such quantities was apparently no larger in the aggregate than in recent preceding weeks. There was a disposition among sellers, however, to take a rather more cheerful view of the business outlook, some broadening of demand being anticipated with the advance of the year. There were fewer changes in quotations.

Chinawood oil was still a firm feature of the list of vegetable products, higher prices being named in some quarters with offerings light on spot and for shipment. Coconut oil was very quiet but in the absence of any change in the situation abroad, quotations were maintained at former levels by local sellers. Crude corn oil was slightly easier.

Sperm oil was available at lower prices, the easier situation being attributed by some to competition. Offerings of crude fish oil continued to be reported as light with primary quotations nominal. Changes in cash lard prices in the local market were moderate, the trend being upward at times in company with the course of futures. An increase was reported in the export movement of lard. Tallow offerings were light and the market had a steady tone.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Chinawood oil, ¼c. per lb.
Lard, Western, 15c. to 25c. per 100 lbs.
Linseed meal, $1 per ton.

Reduced

Corn oil, crude, ⅛c. per lb.
Cottonseed oil, crude, ⅛c. per lb.
Linseed oil fatty acid, ½c. per lb.
Sardine oil, crude, 1c. per gal.
Sperm oil, 1c. per lb.
Spermaceti wax, 4c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	101.6	101.5	118.8

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Chinawood.—The local market was a small affair last week, but the tone was stronger to the extent that prices were advanced about ¼c. per pound by some sellers with the offerings very limited at the higher level. Some importers were still out of the market. According to some in the trade, no change for the better in the situation in this respect seemed likely to develop in the near future in view of the nature of reports from China late in the week concerning military operations. Stocks in the hands of some local resellers appeared to have been rather closely cleaned up. Advices from the Coast reported an upward trend in the market there.

Coconut.—A steady tone continued to prevail in the local market for crude oil but aside from this the situation lacked features of interest. The market was extremely quiet throughout the week, buyers being inclined to hold off for further developments in the situation abroad as well as in domestic markets for other commodities. Refined oil was steady at former quotations with the market quiet. No material change was reported in primary markets for copra or coconut oil, the tone abroad being steady with offerings light.

Corn.—The market for crude oil was quiet, buyers being inclined to hold off for other developments in other commodities, and the tone was easier with reports of offerings at concessions of ⅛c. per pound. Refined oil met with a fair demand and the market was steady.

Cottonseed.—There were no fresh developments in the way of price changes in edible oil, quotations being maintained by refiners at recently reduced levels. There was a fair movement of moderate lots to local and other consumers. Offerings of foreign semi-refined oil were light and quotations were still largely nominal.

Mustard.—Quotations were stationary and the tone of the market appeared to be steady. There was a fair demand for moderate quantities.

Olive.—No broadening of trade was reported in foots but in a jobbing way a fair request from consumers and dealers was noted and the market retained a steady tone. Denatured oil was firm with offerings light and the inquiry fair.

Peanut.—A steady tone was reported in Southern markets for crude oil, light offerings offsetting lack of demand of importance. Refined oil was quiet and steady.

Perilla.—Quieter conditions prevailed but the market remained in a firm position. There were offerings at 9.2c. per pound in tankcars but higher prices were named in some quarters where supplies appeared to have diminished.

Rapeseed.—A fair movement of moderate lots was noted and the market retained a steady tone, quotations generally being held at former levels.

Teaseed.—The market was quiet with the tone firm. Supplies on spot appeared to be light with some importers not in a position to offer.

Markets at Other Centers

Chicago, Jan. 6.—The vegetable oil market has gone through the year-end period with little change noted. Movement of different materials out to consumers has been in moderate amounts.

COCONUT.—Coast basis, January-forward, 2½c. to 2¾c. per pound. Refined edible oil, 8¼c. to 8½c. per pound, barrels, car lots, and 8½c. to 9c., barrels, less than car lots.

CORN.—Crude, low acid, 6⅜c. to 6⅝c. per pound, partly nominal. Refined edible oil, 9c. to 9½c., barrels, car lots, and 9½c. to 10c., barrels, less than car lots.

CHINAWOOD.—Ruling nominal, 16.4c. to 16.5c. per pound, spot, and 15.2c. to 15.3c., deferred.

PEANUT.—Crude, 6½c. to 6⅝c. per pound, partly nominal.

SOYBEAN.—Crude, mills, 5c. to 5¼c. per pound.

The market for soybeans on the Chicago Board of Trade was quieter. Commission house operations in futures were on a smaller scale and demand for cash beans also diminished. Prices were irregular, changes generally being moderate and in company with grain. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Jan. 6.	Closing Dec. 30.
Cash, No. 2..	$0.84½	$0.83½	$0.84½	$0.84⅜
May	.83½	.82¼	.83¼	.82⅝
July	.84	.82⅝	.84	.83¼

San Francisco, Jan. 4.—Further nonparticipation of the buying trade in the vegetable oil market was noticed last week as the holidays intervened and the situation rested mostly along nominal lines. Such quotations as were issued on oils failed to show that sellers were of a mind to make any material changes in prices and the market could possibly have been named as steady.

Ruling prices are:—

COCONUT.—Crude oil is quoted on the basis of 2⅝c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills for delivery into the middle of this year. Latter half of year deliveries named at 2¾c.

CHINAWOOD.—Quoted on the basis of 15c. per pound in tankcars, f.o.b. Pacific Coast ports for either spot or future shipment positions. The market is quiet, but steady, with limited offerings from Hongkong.

BABASSU.—Quoted on the basis of 5⅝c. per pound in tankcars, f.o.b. mill, Pacific Coast.

COTTONSEED.—Domestic bleachable oil quoted on the basis of 7½c. per pound in tankcars, f.o.b. Pacific Coast mills, with foreign offerings too high to be workable. Local sellers are quoting spot Japanese oil on the basis of 7⅜c. per pound in tankcars, f.o.b. San Francisco.

RAPESEED.—Refined and denatured oil quoted nominally on the basis of 5⅝c. per pound in tankcars, f.o.b. Pacific Coast ports for shipment out of the Orient.

RICE BRAN.—Semi-refined oil, duty paid, is quoted on the basis of 5¾c. per pound in tankcars, f.o.b. San Francisco for shipment out of the Orient.

TEASEED.—Foreign suppliers have not made recent offers, but spot oil in small quantity is quoted on the basis of 7¾c. per pound in tankcars. The market is steady.

COPRA.—Market again felt the toll of holiday influence, with the market here practically devoid of any business during the period under review. Offerings from the Philippines were especially light in number and there was apparently no inclination, with the slow period in coconut oil sales here, for the local crushers to take on commitments. Quoted on the basis of 1.70c. per pound, c.i.f. Pacific Coast ports.

Linseed Oil

Flaxseed prices showed irregularity in domestic and foreign markets. Linseed oil steady. Cake and meal firm.

Flaxseed—DULUTH, Jan. 6.—The flax market continues strong, reflecting chiefly meager terminal receipts and steady commercial demand. During the week receipts have been almost nil, equalling the figures of one year ago. As a matter of record there is not much flax to obtain, so receipts cannot be else than low. The price situation was helped by the stronger cables from Buenos Aires. Duluth cash flax stays well over Minneapolis May, plus dockage premium over 15 percent.

The week's closing price range was as follows:—

	Cash.	May.
Saturday	$1.98	$1.90
Monday	...	...
Tuesday	1.98	1.90
Wednesday	1.99	1.91
Thursday	1.95½	1.88
Friday	1.97	1.88

Crop movement in bushels follows:—

	Receipts— 1939.	1938.	Shipments— 1939.	1938.
This week..	75	....	....	....
Since Aug. 1...	1,358,746	1,057,050	1,290,222	1,129,520

MINNEAPOLIS, Jan. 6.—The holiday period was dull in flax markets, but there was no lack of demand for light cash offers and prices held firm compared with futures on basis of quality. Choice to fancy seed is being conserved in the country for seed purposes and very little comes to market. Currently the movement is

STEARIC ACID
Single Pressed and Double Pressed
Now available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND *(distilled)*
STAR BRAND *(saponified)*
CANARY BRAND
(very pale yellow, especially suitable for best types of dry cleaners' soaps.)

PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
205 E. 42nd St., New York City
Branches and stocks in all large cities

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
SPOT Woolworth Building New York, N. Y. FUTURE

A. GROSS & CO.
We Specialize in WHITE OLEINE
Since 1837 Manufacturers of Saponified and Distilled
FLAKE STEARIC ACID STEARIC ACID RED OIL
FATTY ACID GLYCERINE
STEARIC and BEESWAX CANDLES CHURCH ACCESSORIES
Sales Office: 122 East 42nd Street New York
Factories: Newark, N. J., and Baltimore, Md.

ASK WECOLINE *before You Buy*
WHITE DISTILLED
FATTY ACIDS
• COCONUT • CORN
• SOY BEAN • LINSEED
• WHITE OLEIN • LAURIC
• SPECIALTY FATTY ACIDS
Factory: Boonton, N. J.
Sales Offices - - New York City and Chicago
WECOLINE PRODUCTS INC.

W. C. HARDESTY CO., Inc.
41 East 42nd Street New York
RED OIL STEARIC ACID
Saponified - Distilled
HYDROGENATED FATTY ACIDS (HYDREX)
Cottonseed Oil Fatty Acids Coconut Oil Fatty Acids
Palm Oil Fatty Acids Corn Oil Fatty Acids
Lauric Acid Specialty Fatty Acids
Glycerine - Pitch - White Oleine
FACTORIES: Dover, Ohio Los Angeles, Calif. - Toronto, Canada
CALIFORNIA OFFICE: 5636 East 61st Street, Los Angeles
Cable Address "EPILOGUE"

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

from a wide territory and average quality is no better than fair. On the other hand the tone of news from Argentina is such that crushers are inspired to take over all of the desirable domestic seed they can in order to keep their western mills running. It looks now as though it would be difficult to purchase all of the Argentine supply that will be needed. According to government estimates and terminal market receipts figures there may be 500,000 bushels of flax back in the country.

Local stocks are small at 637,000 bushels and with only moderate to light supplies left to come forward crushers will operate presses moderately. Linseed oil stocks are fairly liberal but well disposed of. No shipments of importance made from here during the week. None of the delivered flax taken on December contracts moved out of town. No shipping sales reported for the past week. Holders of good flax expect to get heavier premiums from crushers or seed house buyers. A larger acreage is expected in the northwest this year.

The week's closing price range was as follows:—

	Cash.	May.
Saturday	$2.00	$1.90
Monday	...	...
Tuesday	2.00	1.90
Wednesday	2.02	1.91
Thursday	1.98½	1.87½
Friday	2.00	1.89

Crop movement in bushels as follows:—

	Receipts		Shipments	
	1939.	1938.	1939.	1938.
This week..	20,940	17,550	7,200	3,400
Since Sept. 1	2,774,670	2,902,090	408,759	562,622

WINNIPEG, Jan. 6.—The market for flaxseed futures was quiet. Cash trade was also slow. The week's closing price range was as follows:—

	Cash.	May.
Saturday	$1.42	$1.44
*Monday	...	...
Tuesday	1.46¾	1.48¾
Wednesday	1.48¾	1.48¾
Thursday	1.44⅝	1.46⅝
Friday	1.45¼	1.47½

* Holiday.

BUENOS AIRES, Jan. 6.—Opening prices per bushel on February contracts were:—

	Last week.	Last year.
Saturday	$1.09¼	*...
Monday	*..	$1.30½
Tuesday	1.09¼	1.33
Wednesday	1.09¼	1.35
Thursday	1.08⅞	1.34½
Friday	*..	1.35½

* Holiday.

Exports

To—	Bushels		
	Last week.	Previous week.	Last year.
United States	319,000	760,000	339,000
United Kingdom	51,000	51,000	39,000
Continent	185,000	1,004,000	575,000
Orders	846,000	395,000	783,000
Others	.....	4,000	.....
Totals	1,401,000	2,214,000	1,736,000

Visible Supply

	Bushels.
Last week	3,543,000
Previous week	2,756,000
Last year	4,724,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels		
	Last week.	Previous week.	Last year.
United Kingdom	196,000	404,000	.....
Continent	.....	.....	.....
Others	.....	20,000	20,000
Totals	196,000	424,000	20,000

Since April 1—	Bushels	
	This year.	Last year.
United Kingdom	9,128,000	6,519,000
Continent	780,000	268,000
Others	416,000	1,096,000
Totals	10,324,000	7,883,000

HULL, Jan. 6.—Quotations on flaxseed were:—

	Per ton	
	La Plata.	Bombay.
Saturday	£10⅞	£12⅞
Monday	...	...
Tuesday	10⅞	12¾
Wednesday	11	13
Thursday	11	13
Friday	11	13

Linseed Oil.—The market here had a fairly steady tone, quotations being maintained at previous levels by crushers, with the range from 7.9c. to 8.1c. per pound in tankcars, according to seller. Quiet conditions continued to prevail so far as new business was concerned, but an increase was noted in withdrawals on contracts, the improvement in the situation in this respect having a tendency to create a rather more optimistic sentiment in some selling quarters regarding the prospects for business with the advance of the year.

Demand for cash flaxseed in the Northwest was less active than recently but was sufficient to absorb the offerings, which were light throughout the week, with the indications pointing to a continuation of small supplies. Beneficial rains were reported in the Northwest, but more moisture was said to be needed in important sections.

Flaxseed receipts at New York last week were 406,203 bushels. Shipments from Argentina to all destinations were 1,401,000 bushels against 2,214,000 bushels in the previous week and 1,736,000 bushesl in the same week last year. Crop news from Argentina was unfavorable, estimates of the exportable surplus again being scaled down. One estimate of the quantity likely to be available for export from Argentina during the current year was 55,120,000 bushels. Supplies of unsold old crop flaxseed remaining in India were reported as insignificant.

MINNEAPOLIS, Jan. 6.—Although considerable interest is being displayed in oil at the moment, actual trade is light. Conditions surrounding the raw material market are such that crushers are not in the least inclined to initiate trade in supplies for future delivery and their prices more or less recognize a poor outlook for flax and prospects of heavier demand incidental to larger volume of building operations and poor prospects of securing drying oils from China owing to the Japanese control of trade routes there.

Very little was accomplished by crushers during the holiday week and mills were closed down. Right now there is a little business proceeding in small lots. Most of the oil being taken is wanted for near delivery. Inquiry for deferred is good but bids are much out of line. Argentine news keeps the buying trade on the qui vive and locally there is little hope of other than temporary soft spots.

Shipping instructions on maturing contracts are not quite what they should be but are fair for this season of the year. Presses are moving at about 30 percent of capacity and may turn a little more freely next week.

Quotations on carload lots f.o.b. Minneapolis, tankcars 8.3c. per pound, cooperage car lots 8.9c. per pound, warehouse lots 9.3c. per pound.

Shipments of oil in pounds were as follows:—

	1939.	1938.
This week	604,450	302,347
Since Sept. 1	23,888,953	20,853,045

SAN FRANCISCO, Jan. 4.—The end of the year found the linseed oil consuming trade fairly well stocked insofar as nearby requirements go and there was a dearth of trade here during the last few days. Quietness also extended throughout the delivery business, with only a very small call for oil being present. Most consumers are well up on their contracts. Quoted:—Tankcars, 8.3c. per pound; drum lots ex mill, 8.8c.; drum lots ex warehouse, 9.3c.

CHICAGO, Jan. 6.—Trade in linseed oil is quiet, but the tone seems to be firm and the general aspect of the market appears to be fairly healthy. Ruling prices are:—Tankcar, 8.3c. per pound; car lots, 8.9c.; less than car lots, 9.3c.

LONDON, Jan. 6.—Quotations on linseed oil were:—

	Per cwt.	
	s.	d.
Saturday	22	10½
Monday	..	..
Tuesday	23	1½
Wednesday	23	3
Thursday	23	1½
Friday	23	1½

Cake and Meal.—A firm tone prevailed in the market here although quiet conditions ruled much of the time so far as new business was concerned. Offerings were light, with meal $1 per ton higher.

MINNEAPOLIS, Jan. 6.—Demand for meal is greater than can be supplied from current light output and prices gained a dollar during the week. Mills are closed down between Christmas and New Year and at the time of closing had clean floors. All classes of buyers are in the market and prices are strong because of the advance in grains and in other concentrates. Offers for nearby and longer deferred shipment are very limited. Crushers are inclined to ride with the market and keep their forward contracts at a minimum. Inquiry is broad for February-March shipment and some buyers would like to contract for April movement. Instead of being discounted these forward bids and offers are at a premium.

Shipping instructions are better than can be cared for promptly. Most all of the mills are behind their orders.

Quotations on carload lots f.o.b. Minneapolis, 10 pound sacks, $40.50 and $41.50 per ton.

Shipments of meal in pounds were as follows:—

	1939.	1938.
This week	2,283,950	3,259,400
Since Sept. 1	41,210,225	81,611,084

CHICAGO, Jan. 6.—The linseed meal market is slow, but values are being well maintained and tone seems to be quite steady. Ruling prices are:—Round lots, $39 per ton, mostly nominal; car lots, $39.50 to $40; less than car lots, $41 to $42.

Cottonseed Oil

The market here for refined cottonseed oil futures was irregular within narrow limits. Southern markets for cottonseed products generally steady.

Cottonseed Oil.—There was a continuation last week in the market here for refined cottonseed oil futures of the irregularity noted in recent preceding periods. With the monthly cottonseed report from the Census Bureau expected this week, trading was on a comparatively small scale, few operators being inclined to add materially to their commitments on either side of the market. Prices were easily influenced by a slight preponderance of orders on either side of the account. To some, however, the undertone appeared to be better than recently though this was attributed by others mainly to an upward trend at times in the Chicago market for lard futures.

Predictions continued to be heard that the monthly cottonseed report which is expected this week would make a bearish showing in the matter of consumption of refined oil during December, it being contended that the use of lard at the low prices prevailing for some time past has increased at the expense of lard compound. There were reports last week that the latter commodity was reduced ¼c. by some sellers but quotations were maintained at former levels by other interests. In December, 1937, the consumption of refined oil was 358,323 barrels, but it was argued that the forthcoming figures for last December are likely to show a decided drop as compared with the previous year, some estimates for 1938 being around 250,000 to 260,000 barrels.

Southern markets for crude oil were generally quiet and quotations in some parts of the Southeast were reported to have been shaded ⅛c. though offerings continued light. The firmness displayed by lard futures at times was regarded by some as due more to temporary technical speculative conditions than to any reversal of sentiment among traders in the West. Tallow offerings were light and that commodity appeared to be steady at the recent advance, although the inquiry was slow much of the time. The market for miscellaneous oils, fats and greases was quiet but offerings were light and prices were generally steady. Marketing of hogs in some parts of the West was lighter, this being attributed to recent unfavorable weather.

The export movement of lard showed an increase last week, shipments being principally to English ports. Stocks of lard in Chicago increased 6,080,687 pounds during the second half of December, making a total increase for the month of 8,699,817 pounds against an increase of 9,561,934 pounds in the same month last year. Supplies in that market at the close of December were 56,993,390 pounds against 21,129,051 pounds a year ago. The weight of the hogs received in Chicago during the week ended December 31 averaged 244 pounds against 243 pounds in the previous week and 237 pounds in the same week last year.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from January 3 to January 6, inclusive, comprised 777 contracts, a total of 46,620,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
January	7.39	7.23	7.25@7.30
March	7.58	7.32	7.34 sale
May	7.67	7.43	7.44 sale
July	7.75	7.52	7.54 sale

Crude, Southeast, .0625c. nom.

Chicago, Jan. 6.—Interest in cottonseed oil is reported fairly good at this time. The general feeling is a little uncertain, however, and price concessions have been made here and there. Material has been available a little more freely, although it appears there has been no outright weakness. Good off-Summer yellow fig oil is 7¾c. per pound. Refined edible oil is 9c. to 9½c., per pound, barrels, car lots, and 9¾c. to 10c., barrels, less than car lots.

Hull, Jan. 6.—Quotations on cottonseed oil were:—

	Refined. Per cwt.		Egyptian crude. Per cwt.	
	s.	d.	s.	d.
Saturday	21	6	18	6
Monday	..	..	..	..
Tuesday	21	6	18	6
Wednesday	21	6	18	6
Thursday	21	6	18	6
Friday	21	6	18	6

Cake and Meal.—The tone of Southern markets continued to be reported as steady or firm with quotations for spot material generally maintained at around previous levels. There were reports of some increase in the movement to domestic buyers on contracts though new business appeared to be slow.

Markets at Other Centers

Atlanta, Jan. 3.—The market for cottonseed products is quiet, but is expected to improve as business gets back after the holidays. Meal especially is expecting improved demand in the feed trade.

Cottonseed meal of 8 percent grade is quoted at Southeastern mills at $24.50 to $25 per ton, and is considered firm. Prime crude oil is quoted in the Southeastern market at 6⅜c. to 6½c. per pound.

Memphis, Jan. 6.—Crude cottonseed oil remains dull, buyers and sellers still being indifferent. Last sales reported were at 6¼c., Valley basis. Many mills in this section remain closed, awaiting better markets. Cottonseed meal in good demand at present prices which are about the highest of the season. Today 41 percent meal quoted at $23.50 per ton, Memphis basis. Slab cake sold in volume recently at $21 per ton for 41 percent, January shipment, and $21.25 per ton, February shipment, Valley basis. Hulls quiet at $4.25 to $4.50 per ton at mill points. Seed offerings light and market nominal at $27 per ton, mill points.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	December 29.	January 6.
January	$23.15@23.40	$23.00@23.30
March	23.30@23.50	23.20@——
May	23.35@23.50	23.20@23.50
July	23.65@23.75	23.70@——

Fatty Acids

Capric Acid.—Quotations were maintained at previous levels, the tone of the market continuing steady. There were reports of a fair movement to makers of chemical bases and wetting agents but new business was still rather quiet.

Chinawood Oil.—Recent developments in basic material were reflected in a firmer market for this fatty acid. Business was quiet, makers of varnishes and driers being inclined to hold aloof.

Coconut Oil.—A steady tone continued to prevail in the market for this fatty acid in the absence of any material change in the position of basic material. A fair inquiry was reported from makers of soaps and shampoos.

Myristic Acid.—Prices were stationary with the tone of the market steady. Consumption in the manufacture of soaps and cosmetics has been fair recently but new business was quiet last week.

Palm Oil.—With basic material steady, quotations on palm oil fatty acid were generally stationary. Consumption in the manufacture of soaps and textile compounds has been fair recently but quiet conditions prevailed last week so far as new business was concerned.

Stearic Acid.—Raw material was steady and quotations on stearic acid were generally stationary. There were reports of a somewhat better inquiry, though consumers showed little disposition to provide for future requirements.

Tall Oil.—The market for this fatty acid remained in the same steady position it has occupied for a considerable period. Business was along the same rather narrow lines noted in recent preceding weeks.

Markets at Other Centers

Chicago, Jan. 6.—The fatty acids market has been slow in getting under way with the new year. Price changes have been of extremely limited importance. Movement of material out to buyers in various consuming lines has been fair.

FATTY ACIDS.—Corn oil, double distilled, 8c. to 8¼c. per pound, tankcar; 8½c. to 8¾c., barrels, car lots; 9c. to 9¼c., barrels, less than car lots; coconut oil, acidulated, 8¼c. to 8½c., tankcar, mostly nominal; 8¾c. to 9c., barrels, car lots; 9¼c. to 9½c., barrels, less than car lots; cottonseed oil, double distilled, 7¼c. to 7½c., tankcar; 7¾c. to 8c., barrels, car lots; 8¼c. to 8½c., barrels, less than car lots; settled cottonseed soapstock, 60-62 percent basis, 3c. to 3⅛c.; boiled down soapstock, 65 percent basis, 4c. to 4⅛c.; cottonseed foots, 50 percent basis, 1½c. to 1⅝c.

STEARIC ACID.—Distilled, single press,

CRESYLIC ACID
English A.D.F. Specification
JAPAN WAX
FATTY ACIDS
All Kinds
CARNAUBA WAX
T. G. COOPER & CO., Inc., 47-49 N. Second St., Philadelphia, Pa.

THE BRODÉ CORPORATION, MEMPHIS TENNESSEE
COTTON SEED MEAL, CAKE, HULLS, HULL BRAN, CRUDE AND REFINED COTTON SEED OIL, PEANUT AND SOYA BEAN PRODUCTS
Codes: Yoppa, Robinsons, Bentleys, A. B. C. 5th Edition

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

10c. to 11c. per pound; double press, 10½c. to 11½c.; triple press, 13¼c. to 14¼c.

Fish Oils

Cod.—The market for spot oil was quiet but there were reports to the effect that considerable Norwegian oil was sold for shipment early in the week at from 25c. to 26c. per gallon, according to grade. Importations during November were 131,064 gallons from Norway and 56,853 from Newfoundland and Labrador.

Menhaden.—Refined oil was more active to the extent that inquiries were received in a somewhat larger volume though actual transactions were apparently limited to comparatively small lots for prompt shipment, consumers still being disinclined to purchase in advance of current needs as usual at this season. Crude oil offerings were light in primary markets where nominal conditions continued to prevail.

Sperm.—The market for refined oil was easier, supplies being available at concessions of 1c. per pound. There were reports of a fairly active inquiry from local and other consumers.

Markets at Other Centers

Baltimore, Jan. 4.—The menhaden fishing companies which operate on the coast of North Carolina have been encouraged by the presence of schools off the coast to continue operations during the last week, with the weather favoring such activities by its mildness and the absence of gales.

The prevalence of quiet over the holiday period, of course, was not favorable to the development of any demand of consequence, the regular matters that claim attention having been put aside to observe the season; and it is also to be said that potential buyers have not been prevailed upon to meet the ideas of the producers as to price; but since the tendency in the industry seems to be upward, it is not unlikely that the remaining stocks of free oil will be taken up at the level set by the factories. The quotations on refined oil stand at 53c. to 55c. per gallon for light pressed, 55c. to 57c. per gallon for light bleached and 57c. to 59c. per gallon for yellow bleached stocks.

San Francisco, Jan. 4.—Rather substantial trading took place in the Northern California sardine oil market last week at an easing price level, while meantime the production industry finished up the last two or three weeks of the year with some of the heaviest sardine catches on record in this state in the history of the industry.

With production mounting up during the latter part of December, sellers last week took advantage of buyers' bids in the market on the basis of 30 cents per gallon, Northern California basis, and some 50 tankcars of oil changed hands, according to reliable information in the trade. Previous sales here, recorded about a fortnight or so ago, were consummated on the basis of 31 cents. Bids have been standing since then at 30 cents. At the moment the market is quiet, with a full moon approaching, which will curtail operations for approximately a week.

That the season in Northern California is rapidly approaching its termination, in spite of the legal closing on February 15—some six weeks away, was seen here last week by the heavy catches of fish, which are expiring the tonnage allotments of many of the reduction plants for the season. In fact, a good number of the plants are expected to close down almost immediately unless further tonnages of fish are allowed by the Fish and Game Commission. One of the provisions of the permits this year was to the effect that the plants might use up the tonnages given them at any time prior to the closing date of the season, providing the fish could be found. The run has been unexpectedly plentiful lately. The heaviest day on record in the industry in Northern California for all time was seen on December 27, when 10,900 tons of sardines were caught and turned into the plants. Southern California had, with a smaller number of plants, 5,700 tons on December 30.

Fats and Greases

Grease.—Quiet conditions continued to prevail, buying interest apparently being limited to comparatively small quantities with the movement of such lots unimportant in the aggregate. The market had a steady tone.

Lard.—Changes in cash lard quotations in the local market were generally within comparatively small limits, the trend being upward at times in company with developments in futures. The export movement showed some increase. Domestic trade quiet.

Stearin.—With offerings light, the market ruled steady with trade quiet much of the time.

Tallow.—The local spot situation continued to be featured by a steady tone although there was apparently little to record in the way of activity. Occasional inquiries were noted but actual purchases were generally limited to comparatively small lots, large consumers being inclined to hold off for further developments. Offerings were generally light.

Trading in tallow futures on the New York Produce Exchange from January 3 to January 6, inclusive, comprised 2 contracts, a total of 120,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks—High.	Low.	Close.
February	5.65	5.65	5.60@5.80
May	...	...	5.70@5.90

Markets at Other Centers

Chicago, Jan. 6.—Feeling in the cash lard trade is reported to be fairly stable and moderately optimistic. The trade is watching statistical trends, including the adding of more than 6,000,000 pounds of lard to stocks in Chicago in the last half of December, as against trade expectation of an addition of about 5,000,000 pounds. Shipping trade is reported fair. Inquiry from domestic buyers has been moderate.

The range of lard quotations from the opening Saturday, December 31, to the close Friday, January 6, is shown in the following table:—

	Per 100 pounds— Open.	High.	Low.	Close.	Previous Friday.
Cash	$6.62	$6.72	$6.62	$6.67	$6.55
Jan.	6.57	6.67	6.52	6.62	6.50
May	7.30	7.45	7.30	7.35	7.27

TALLOWS (tierces).—Edible, 6c. to 6¼c. per pound; prime, 5½c. to 5⅝c.; fancy, 5½c. to 5⅝c.; special, 5⅛c. to 5⅜c.; No. 1, 5c. to 5¼c.

GREASES (tierces).—Choice white, 5⅜c. to 5⅝c. per pound; A white, 5c. to 5¼c.; B white, 5c. to 5⅛c.; yellow, 10-16, 4⅝c. to 4¾c.; yellow, 16-20, 4½c. to 4⅝c.; brown, 4¼c. to 4½c.

STEARINS (barrels).—Prime oleo, 6½c. to 7c. per pound; lard, packages, 7¾c. to 8c.; A white grease, 5⅜c. to 5⅝c.; yellow grease, 5c. to 5⅛c.; extra oleo stocks, 8c. to 9c.; No. 2 stocks, 7½c. to 8½c.

Liverpool, Jan. 6.—Quotations per cwt. on refined American lard were as follows:—

	Spot.	January.	May.
	s. d.	s. d.	s. d.
Saturday	44 6	39 9	40 6
Monday	.. ..	.. ..	.. ..
Tuesday	42 0	40 9	41 0
Wednesday	42 0	40 9	41 3
Thursday	42 9	41 0	41 3
Friday	42 6	41 0	41 0

Liverpool, Jan. 6.—Quotations per cwt. on tallow were as follows:—

	Choice. s. d.	Fine, good mixed. s. d.
Saturday	16 3	17 3
Monday	.. ..	.. ..
Tuesday	16 3	17 3
Wednesday	16 3	17 3
Thursday	16 3	17 3
Friday	16 3	17 3

Animal Oils

Lard.—The market remained in a steady position. No broadening of business was noted, though the inquiry for small quantities for prompt shipment was fair.

Neatsfoot.—A fair inquiry was reported with the purchasing generally limited to small lots for prompt shipment, consumers still being disinclined to provide at this season for future needs. The market had a steady tone.

Oleo.—New developments in the way of price changes were lacking, the market being steady at the reduction announced in the previous week. There was a fair request.

Tallow.—A steady tone prevailed, quotations being maintained at previous levels. Business continued quiet.

Markets at Other Centers

Chicago, Jan. 6.—Rather slow and indecisive market conditions are reported in animal oils. Trade has been limited to those dealings which represent the bare needs of the buyers.

LARD.—No. 1, 8½c. to 8¾c. per pound.

OLEO.—No. 7, 7¾c. to 8¼c. per pound.

TALLOW.—Acidless, 7½c. to 7¾c. per pound, tanks; 8c. to 8½c., barrels.

Waxes

Bayberry.—Although demand was virtually nominal, prices remained firm at the recent advance. This position was based on the fact that stocks were comparatively small; in fact, much lower than normal notwithstanding that they are usually down at the end of the principle consuming season. The present situation as to supply has been caused by a very small production in New England and a considerably larger consumption than usual by the candle manufacturers.

Bees.—Very steady prices prevailed on spot and the undertone of the market was considered to be generally firm. Prices on crude wax in primary markets lacked unsettlement and some said that offerings of prompt movement parcels were none too numerous. Quotations on refined and bleached wax on spot were well held.

Carnauba.—Prices in Brazil held very firm, on the surface at least; attempts to place orders on the basis of bids failed. Locally, prices lacked quotable change but reports indicated that spot competition was keen and conditions at the moment appeared to be favorable for buyers.

Spermaceti.—Lower import duty on this article had led to a drop in spot quotations to the basis of 18c. to 19c. per pound on blocks, and 19c. to 20c. on cakes.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

OPD Forum

—Continued from page 4

In considering the outlook for China-wood oil prices, it must be remembered that the new crop is crushed in the unconquered parts of China and the Chinese may be unable or unwilling to ship through Japanese hands. Or, they may come to terms with the invader. In the former case, shipments would be smaller than normal, to say the least; any exports through neutral nations would suffer an additional delay of one or more months. In the following tabulation of six quarterly indexes the middle two show the normal transit-time from Hankow to America to be about sixty days:—

(100=Average quarter of year)

	Quarter— 1st.	2d.	3d.	4th.
Hankow arrivals	65	136	123	76
Hankow stocks	81	96	116	107
Hankow exports to U.S.	91	122	104	82
U. S. imports	92	101	115	92
U. S. stocks	99	89	106	106
U. S. consumption	98	110	98	95

The possibility of this additional delay is accompanied this year by the added fact that United States demand is expected to show an above-normal rise at the very time that Chinese volume and stocks are seasonally subnormal. On the other hand, for various reasons—mostly artificial—prices have for some time been exorbitant enough to curtail consumption. Any currency, transport, and military developments from now on are, therefore, more likely to ease prices than to augment them.

Another factor tending to restrain advances is that the 1938 domestic nut crop is now being crushed and up to 4,000,000 pounds of oil is to be marketed shortly. Careful study of data on acreage, maturity of trees, and past yields indicates that the South may grow the equivalent this Fall, given moderate Spring temperatures, of 5,250,000 pounds of oil. That would be marketed in 1940. The crop may continue to expand greatly for three years beyond; but no amount of new plantings now can aid the present supply situation, as the trees hardly bear a crop until the fourth year.

New York, January 6, 1939 — HENRY D. LYTTON, Commodity Marketing Consultant

Oils, Fats Producers Unite for Promotion

—Continued from page 3

ported to have a part in the considerations and arrangements in reference to the conference are beef cattle growers, butter producers, corn oil producers, cottonseed and cottonseed oil producers, fish oil producers, soybean producers and soybean processors, swine growers, and tallow and grease manufacturers. A board of directors is to be named representing national and district organizations of these and other producers of oils and fats.

Arrangements have been made for an office in Washington in charge of A. M. Loomis, who now is secretary of the National Dairy Union and Washington representative of the Association of American Producers of Domestic Inedible Fats. Commenting on the new organization, Mr. Loomis said:—

This is the first inclusive national organization in this important agricultural and industrial field. Very few persons realize the magnitude of this allied group of industries or their national significance. Due to the general public neglect, there has been permitted to develop a large and presently increasing shortage of domestic fats and oils. The United States is now dependent upon imported supplies of oils and their raw materials, to the amount of more than 2,000,000,000 pounds a year.

In case of foreign war, what happened in 1918 to Germany might easily happen to the United States in 1939. We can neither be adequately fed nor adequately defended without imports of 3,000 tons of oils and fats every day. We hope by this organization to provide for increases in domestic production to meet this serious deficiency.

Plastic, Coldwater Paint Calcimine Sales Mixed

Sales of plastic and cold-water paints and calcimines reported by fifty-three manufacturers to the Bureau of Census for November, 1938, were as follows:—

Plastic Paints

	Pounds.	Value.
Paste, casein-bound	458,246	$34,102
All other	31,394	3,279
Dry, casein-bound	231,191	16,817
glue-bound	128,536	6,556
Totals	458,246	$34,102

Cold-Water Paints

	Pounds.	Value.
Exterior, lime or cement-bound	607,918	$44,081
casein-bound	299,803	15,832
Interior, casein-bound, paste or semi-paste form	157,391	190,462
dry powder form	624,149	46,444
glue-bound	302,492	8,188
Totals	....	$305,007

Calcimines

	Pounds.	Value.
Hot water	2,744,184	$103,000
Cold water	2,678,311	122,000
Totals	5,422,495	$225,698

Sales of these products for the first eleven months of the year compared with those in the corresponding period of 1937 were as follows:—

	1938	1937.
Plastic paints—lbs.	5,895,075	6,323,281
value.	$452,747	$496,990
Cold-water paints—value.	$4,254,251	$2,931,490
Calcimines—lbs.	68,445,762	75,526,275
value.	$2,856,180	$3,203,219

McCormick & Co. Holds Annual Sales Conference

Baltimore, Jan. 7, 1939

Officers, district division managers and salesmen of McCormick & Co., manufacturer of extracts, spices, insecticides, and other products, held a number of conferences January 2-5, discussing merchandising and distribution plans in order to realize continued expansion of business.

The convention, held at the home office of the company, flowed over to the Emerson hotel, where some of the sessions and the anniversary social event were held. The meetings marked the fiftieth anniversary of the founding of the business by the late Willoughby M. McCormick, uncle of the president. The main feature was a banquet and dance for the entire office and factory staff, together with the 196 salesmen. The party numbered over 800 persons.

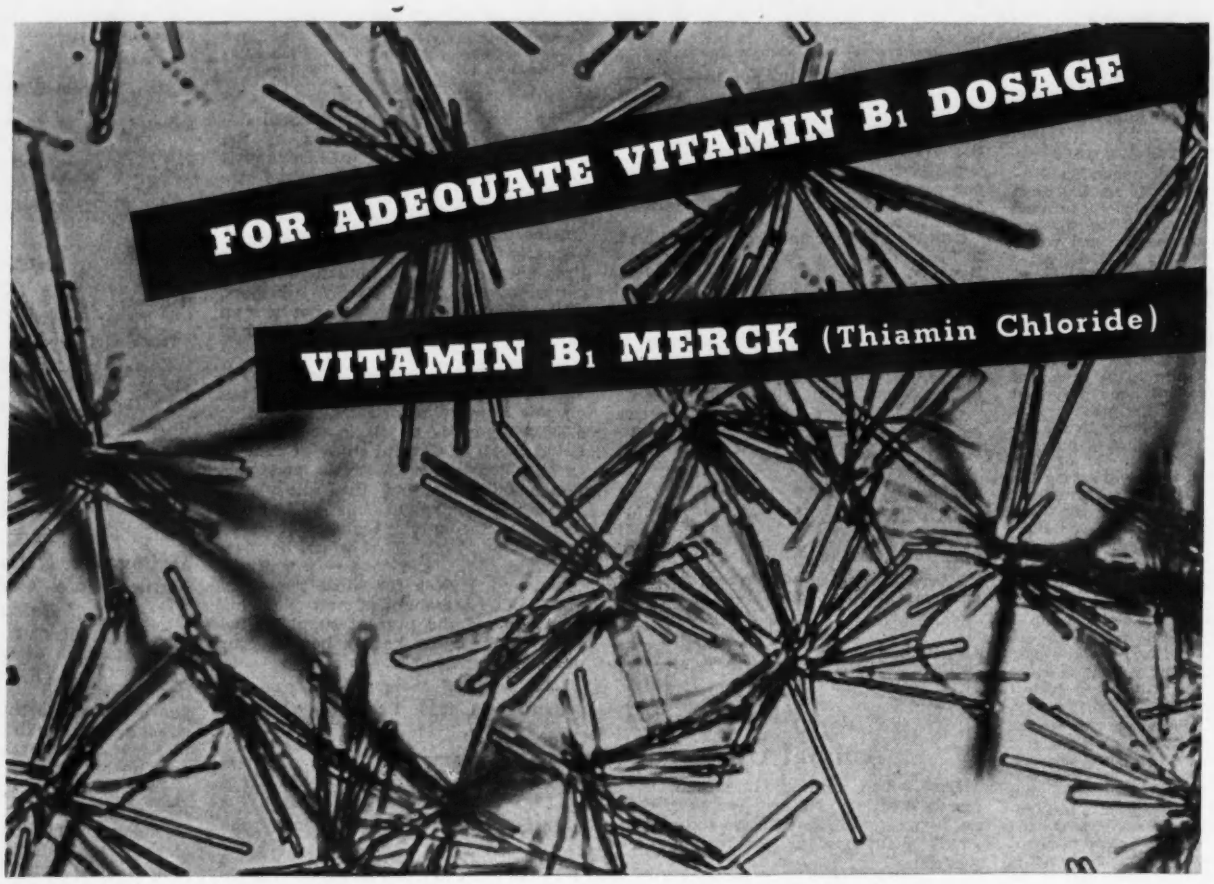
Charles P. McCormick, president of the company, opened the proceedings on the morning of January 2 with a talk on "Multiple Management," and he was followed by Fred. W. Ensey and Jim Nash, who discussed "Advertising and Merchandising." Benjamin Wood, managing director of the tea bureau, who is U. S. representative for the tea-planters of India, Ceylon, Java and Sumatra, addressed the group on the following day on "Sales Promotion and Advertising."

Special talks were given by George M. Armor, John N. Curley and J. G. Luttrell, vice-presidents; Walter M. Davis, sales manager; Fletcher Long, Spice Department manager; Brooke E. Furr, comptroller, and William L. Bean, secretary-treasurer, on various days in the week in order to give the salesmen a thorough and comprehensive understanding of all phases of the business. Trips through the plant were part of the educational program.

During the convention the McCormick Sales Company elected officers, these including a number of division managers from large territories in various sections of the country. The banquet on Thursday was presided over by Charles McCormick, with his uncle, Roberdeau A. McCormick, acting as toastmaster. The entertainment, planned by Norman C. Settle, was followed by a dance.

SUN BLEACHED
Beehive Brand BEESWAX
• Finest Quality
• Guaranteed Pure
WILL & BAUMER CANDLE CO., INC.
Dept. E I Syracuse, N. Y.
Established 1855
Spermaceti Red Oil Glycerine
Ceresine Stearic Acid
WARRANTED PURE BEES WAX

A Guaranty of MERCK *Purity & Reliability*



PURE CRYSTALLINE VITAMIN B_1 HYDROCHLORIDE

with a Potency of 333,000 International Units per Gram

Minimum Daily Requirements

For Infants—not less than 50 International Units (0.16 mg.).
For Adults—not less than 200 International Units (0.66 mg.).

Therapeutic Dose

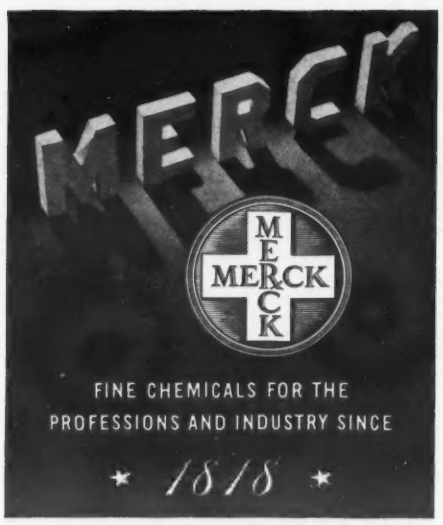
To ensure adequate curative dosage in advanced vitamin B_1 deficiency, from 5 to 100 mg. daily, equivalent to approximately 1500 to 30,000 International units, may be required. Later, the dosage may be reduced to 5—10 mg. (1500—3,000 I. U.), three times per day.

Important Indications

Anorexia of Dietary Origin . . . Beriberi . . . Alcoholic Polyneuritis . . . Essential for Optimal Growth of Infants and Children.

May be administered orally or parenterally. Very soluble in water and slightly soluble in alcohol.

Literature on Vitamin B_1 Hydrochloride (Thiamin Chloride Merck) will be mailed on request.



MERCK & CO. Inc. *Manufacturing Chemists* **RAHWAY, N. J.**

New York • Philadelphia • St. Louis • *In Canada:* Merck & Co. Ltd., Montreal and Toronto

Drugs, Fine Chemicals

Diacetone Alcohol Reduced—Reports Indicate Strong Tone to Alcohol Market—Eleven Month Methanol Statistics Released —Seasonal Items in Good Request—Foreign Glycerin Up

Business in the past week was entirely typical of that at the beginning of most new years. Inventory activities were in full swing and hence most buyers were cautious in placing new orders until such time as said activities shall reveal the stocks of raw material being carried over into the new year. Consequently, trading was in lots of conservative size and more often than not centered in the buying of articles distinctly seasonal at this time.

Inventories also occupied a substantial part of the activities of manufacturers, wholesalers, importers, and distributors in general. Many commented to the effect that their immediate desire was to strike as soon as possible the balance sheet covering the returns of business in 1938 and hence the presence of mainly moderate new business was in some respects a factor that facilitated attainment of the desired objective.

Pricewise, the market was one of full stability and generally steady undertones. Of importance was the declaration that the alcohol market opened with a strong tone. Some solvents still showed unsettlement and diacetone alcohol at lower prices was one of them. Latest statistics on pure and denatured alcohol operations, and also on those in methanol, were released.

Glycerin was exceptionally steady and a rise in the foreign market prices on crude was considered a favorable symptom so far as the maintenance of current values on refined material. Quicksilver was dull but firmness ruled since Pacific Coast production has decreased. Mercurials were steady. Bismuth metal and salts were in similar position.

Acetanilide.—Business was routine in character but it also had a steady quality that gave substantial support to the prevailing schedule of prices and created firm undertones throughout the market.

Acetphenetidin.—Seasonal request was very good in the main, although it lacked special change from the call during the major part of the final quarter of the old year. Quotations were generally steady and a firm market was forecast for the immediate future.

Acid, Acetylsalicylic.—Evidence of renewed interest came with the turn of the year and leading suppliers of this material reported a very fair movement to buyers. Prices were generally steady in all directions.

Acid, Boric.—Shipments on the new six-month contracts in 1939 were said to have started in good volume, making the market one of substantial stability and forecasting a probable requirement that will contribute much to continuation of market stability.

Acid, Citric.—The market was steady in undertone but normally quiet because of seasonal influences. The next period of expanding sales was expected to develop in the Spring months and full preparation will be made to meet consumer requirements fully and promptly.

Acid, Tartaric.—Hope for substantial expansion in special demand for this article hinges on activity in the silk industry, where it finds important use as a mordant. Also, substantial improvement by reason of the usual expansion in requirements of the beverage trade held favorable promise for continued firmness of prices.

Alcohol.—Diacetone alcohol in tanks was available as follows:—Acetone free, or pure, tanks, 8c. per pound; drums, car lots, 9c.; less than car lots, 9½c.; cans, 1 or 5-gallon capacity, 13½c. to 15½c.; technical, tanks, 7½c.; drums, car lots, 8½c.; less than car lots, 9c.; cans, 1 or 5-gallon capacity, 13c. to 15c. Tank and drum prices were on a delivered basis, but cans were quoted on a works basis. These prices were 2c. per gallon under the previous schedule. Comparative statistics on pure and denatured ethylalcohol for July-November in 1938 and 1937, as prepared by Alcohol Tax Unit, Bureau of Internal Revenue, Treasury Department, Washington, D. C., follow:—

Ethyl Alcohol

	Proof gallons	
	1938.	1937.
Production	81,731,162	89,505,981
Withdrawn, tax paid	9,463,533	12,940,747
tax free	80,608,439	89,465,882
Stocks, November 30	23,276,580	15,156,509

Denatured Alcohol

	Wine gallons	
Completely	1938.	1937.
Produced	11,958,408	19,624,031
Removed	12,213,162	19,894,036
Stocks, November 30	433,238	564,671
Specially		
Produced	33,049,338	30,545,446
Removed	32,698,774	30,765,260
Stocks, November 30	799,477	555,036

Bonded Dealers

	Wine gallons	
Specially denatured—	1938.	1937.
Received from denaturing plants	1,472,275	1,512,109
Disposed to bonded manufacturers	1,441,506	1,533,076
Inter-dealer shipments	21,510	26,967
Stocks, November 30	304,927	325,136

Reports concerning business in pure and denatured ethyl alcohol indicated that the new year had opened with the market showing a strong tone. Solvents derived from alcohol were in similar position. Demand was said to be good and prices were firm. Effective January 4, quotations on S.D. 23H were reduced 1c. to the basis of 25.5c. per gallon in tanks, f.o.b. plant. No other change was made.

Aloin.—Some broadening of inquiry and possibly of sales was reported in the market for this derivative of gum aloe and the market continued to display a very firm undertone with prices well held.

Bismuth Metal and Salts.—Very fair request was noted and volume was reported to be about normal for the time of year. Prices were fully steady in all directions, especially as concerned the cost of metal which seemed to be still highly stabilized.

Cadmium.—The call was not particularly active in the first week of the new year but with general conditions in the consuming industries showing fair promise for the future, the undertone of the market was generally steady. The only condition likely to cause unsettlement was the fact that Canadian metal now carried a much lower duty.

Castor Oil.—General price stability featured the beginning of another year and with the business prospect being much more favorable than a year ago, the tendency was to look forward to a good volume of activity. Hence, the undertone of quotations was firm.

CHICAGO, Jan. 5.—With consuming lines taking fairly good amounts of material, the castor oil market is opening the year in what appears to be good condition. While immediate demand is not particularly broad, a fairly good amount of material is moving. Ruling prices are:—No. 1, barrels, car lots, 10⅛c. per pound; barrels, less than car lots, 10⅞c.; returnable drums, car lots, 9⅞c.; drums, less than car lots, 10⅝c.; tanks, 9⅜c.; No. 3, barrels, car lots, 9⅝c.; barrels, less than car lots, 10⅜c.; returnable drums, car lots, 9⅜c.; drums, less than car lots, 10⅜c.; tanks, 8⅞c.

Chloral Hydrate.—Business was about normal and the general market position showed no signs of pending change in the generally well maintained price position of the material. Outlook for reasonable trade was said to be very good in the main.

Chloroform.—Movement in moderate quantities was in line with expectations and undertones continued to be very

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Alcohol, diacetone, 2c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
182.7	**182.7**	**182.7**	**181.9**

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Norwegian Cod Liver Oil is controlled by the Government.

Norway is the only country in the world in which it is provided by law that all cod liver oil shipped to foreign markets shall be controlled by the Government. Each shipment is accompanied by a Certificate of Control issued by the Norwegian Government. This furnishes a guarantee for both doctor and patient.

Norwegian Cod Liver Oil permanently retains its exceptional properties because it is produced under favorable climatic conditions from entirely fresh livers immediately after the cod is caught off the Norwegian coast. Consequently, Norwegian Cod Liver Oil does not require to be passed through any artificial processes which actually tend to reduce the lasting quality of the oil.

NORWEGIAN COD LIVER OIL

World-famous for Quality.

For printed matter, apply to:
Reklamefondet for Norsk Medicintran, P. O. Box 226, Bergen, Norway.

Industrial and Pharmaceutical Chemicals

QUININE

Sulphate and Minor Salts

CINCHONINE CINCHONIDINE
QUINIDINE
and their Salts

"AMSTERDAM" BRAND

"MAARSSEN" BRAND

R. W. Greeff & Co. Inc. New York, N. Y.

R. W. GREEFF & CO.

10 East 40th Street New York, N. Y.

PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
205 East 42nd Street, New York City

TARTARS
WILLIAM NEUBERG, Inc., 441 Lexington Ave., NEW YORK, N.Y.
MUrray Hill 6-1998

BROMINE • BROMIDES
J. Q. DICKINSON & CO. ESTABLISHED 1832 MALDEN, W. VA.

NATIONAL BRAND MILK SUGAR
QUALITY STANDARD THE WORLD OVER SINCE 1883
ALPHA LACTOSE BETA LACTOSE
POWDERED-GRANULAR IMPALPABLE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
350 MADISON AVENUE NEW YORK, N. Y.

Baker's
INDUSTRIAL CHEMICALS
If you need tonnage chemicals to standard or special specification, we invite you to discuss, in confidence, your needs.
J. T. BAKER CHEMICAL CO.
PHILLIPSBURG, N. J.
NEW YORK 420 Lexington Avenue
PHILADELPHIA 220 South 16th Street
CHICAGO 435 North Michigan Avenue

REFINED GLYCERINE
ALL GRADES
CHEMICALLY PURE U.S.P.
CHEMICALLY PURE B.P.
YELLOW DISTILLED-HIGH GRAVITY-DYNAMITE
Refineries located at:
• BROOKLYN, N. Y.
• JEFFERSONVILLE, IND.
• JERSEY CITY, N. J.
• BERKELEY, CALIF.
• KANSAS CITY, KANS.
COLGATE-PALMOLIVE-PEET CO.
GLYCERINE DEPARTMENT
105 Hudson Street Jersey City, New Jersey

RUSSIAN WHITE MINERAL OILS
Genuine Imported U. S. P. FLAG BRAND All Viscosities
WHITE OILS
TECHNICAL WHITE OILS FOR INDUSTRIAL USE
NAPHTHENIC ACID SLUDGE . . . NAPHTHENIC SOAP
S. Schwabacher & Co., Inc., 25 BEAVER STREET NEW YORK
Established distributors wanted *Inquiries Invited*

steady throughout the first week of the new year. Industrial users were expected to be in the market for normal quantities in the weeks ahead.

Codeine.—Conditions favored a good consumption of this article, more especially for those whose needs expand seasonally at this period of the year. Prices were generally very steady and well held.

Codliver Oil.—Favorable weather conditions accounted for a very good movement of distributors' stocks and a renewal of replacement buying accounted for a fair volume of sales being made by importers. Prices were generally very steady for quality material.

Cream of Tartar.—The call was generally routine in character but the market was stable in all respects and was expected so to remain under the influence of a normal gain in request as the consuming trade gets away from the present inventory period.

Glycerin.—Business was normally quiet but the basic position of the market seemed to be fairly steady. A favorable development from the standpoint of the local industry was the ¼c. per pound advance recorded in the last cables giving prices on European crude. Furthermore, no accumulation of crude stocks was apparent in this country and hence the refiners continued to look forward to a period of general stability.

CHICAGO, Jan. 5.—Business in glycerin is steady. C.p. and other grades have been good demand, considering the period of the year. Market sentiment seems to be fairly optimistic as regards the outlook for the market. Ruling prices are:—Chemically pure, tanks, 12¼c. per pound; drums, car lots, 12½c.; drums, less than car lots, 13c.; high gravity, tanks, 11¾c.; drums, car lots, 12c.; drums, less than car lots, 12½c.

Magnesia.—A market of steady proportions prevailed and a fairly good outlook faced sellers at the beginning of the new year. For some time prices have been well stabilized and last week it was said that no signs of any early change in that satisfactory aspect of the market were noted.

Menthol.—The new year began with the market in fairly stable position with prices being well held in all quarters and generally in line with the absence of weakness abroad. Synthetic menthol continued to find interest for many consumers and such needs seemed to be well cared for.

Mercurials.—Lack of any change, nor signs of change, in the raw material price contributed to the maintenance of a very steady schedule of prices on soft and hard mercurials. Furthermore, a fairly good request contributed to the general stability that prevailed.

Methanol.—The advancing market on denaturing grade was apparently at an end; for some weeks prices have held. Other forms of methanol, both natural and synthetic, were very steady. Monthly statistics on production of crude and synthetic methanol, representing almost the entire output of these commodities in the United States, have been released by Director William L. Austin, Bureau of Census, Department of Commerce. The data include production figures for 27 manufacturers for the months of 1938 and for 28 to 29 manufacturers in the months of 1937:—

Production

	Gallons			
	1938.		1937.	
	*Synthetic.	Crude.	*Synthetic.	Crude.
Jan....	2,896,894	458,347	1,835,815	525,070
Feb....	2,290,609	404,970	1,849,302	500,685
March..	2,343,828	342,800	2,071,747	546,662
April...	1,975,999	314,664	2,138,895	531,727
May....	1,860,400	330,875	2,353,497	522,961
June...	1,629,570	295,091	2,263,507	485,943
July...	1,449,607	309,219	2,564,783	465,205
Aug....	1,897,847	277,182	2,735,963	462,584
Sept...	1,929,655	303,225	3,018,333	404,112
Oct....	2,294,532	355,380	3,532,091	423,792
Nov....	2,617,979	344,328	3,562,372	423,315
Totals.	23,186,920	3,812,847	27,926,305	5,292,056

* The refined equivalent would be approximately 82 percent of the crude production.

Wood Carbonized

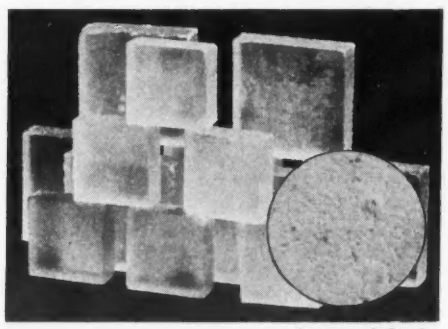
	Cords	
	1938.	1937.
January	44,874	53,813
February	39,587	50,410
March	43,281	54,164
April	31,429	52,116
May	32,873	51,118
June	31,056	49,700
July	29,354	47,525
August	27,512	45,699
September	30,137	39,975
October	33,185	41,810
November	33,904	43,285
Totals	378,220	529,624

Quicksilver.—Production has been shut-in substantially on the Pacific Coast and local reports were to the effect that none of the metal shipped east was going into warehouse; rather, it was moving promptly to buyers holding contracts. Prices were very steady in all respects.

SAN FRANCISCO, Jan. 3.—There has been a renewal of interest in the quicksilver market, according to the trade here, but buyers' ideas are evidently somewhat below those of the larger producers. An inquiry for as much as 500 flasks of metal was said to have been present during the week, but it was not ascertained whether or not a transaction was completed. The undertone remains good. Prices are quoted on the basis of from $77 to $80 per flask, New York basis, depending upon quantity.

Quinine.—According to the Department of Commerce, unconfirmed reports from the Netherlands indicated a closer interlocking of the three leading quinine producing companies of that country, two of which are in Amsterdam and one of which is in Bandoeng. The report continued to the effect that the consolidation would facilitate the operation of the agreement between cinchona planters and the quinine manufacturers. Inquiry here revealed that for fifteen years, more or less, the three

Every Tablet of
SHERKA CAMPHOR, U. S. P.
(*Synthetic*)
is identical in quality, purity and capacity for camphor action . . .

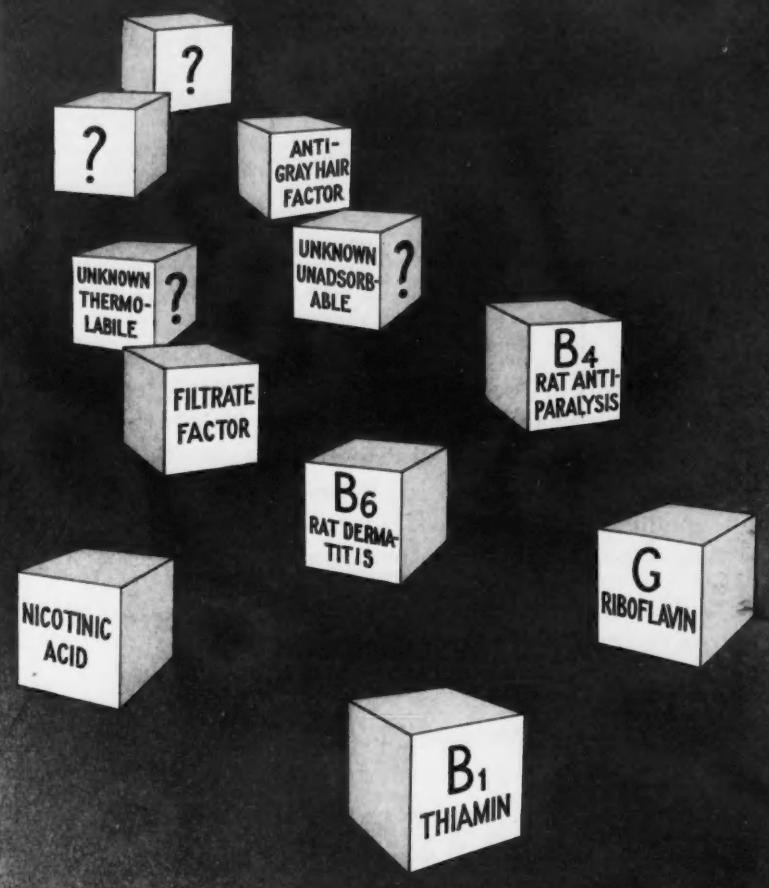


Surface of Sherka Synthetic Camphor U.S.P. Tablet magnified 150 times to show uniform structure and fineness.

for MEDICINAL, MOTH PREVENTIVE and OTHER PURPOSES
Meets all U.S.P. requirements—lower in price than the natural camphor. Tablets (½ and 1 oz.), Slabs (2½ lbs.) and Powder—all available from one source.
Write for comparative samples and prices to
SHERKA CHEMICAL CO., Inc. Bloomfield, N. J. — Importers
or GEORGE UHE COMPANY 80 Eighth Avenue, New York, N. Y. Distributors

THREE ELEPHANT BORAX AND BORIC ACID
Purity Guaranteed Over 99.5%
The AMERICAN POTASH & CHEMICAL CORPORATION
70 Pine Street New York
Stocks carried in principal cities in the United States and Canada
TRONA MURIATE OF POTASH
A 95-98% Agricultural Grade
A Special Grade for Manufacturers of Industrial Chemicals

IF YOU COULD PUT THEM ALL TOGETHER YOU WOULD HAVE

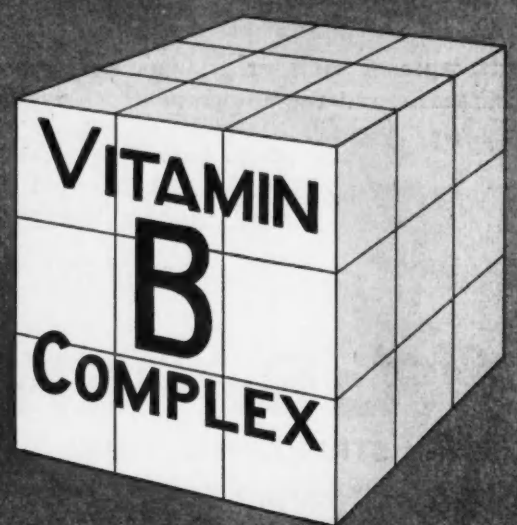


I.V.C.

"House of Vitamins"

NATURAL

B COMPLEX POWDER



Vitamin B_1 — 200 Int. Units Per Gm.
Vitamin G — (Riboflavin) 75-100 Gamma Per Gm.

FOOD RESEARCH LABORATORIES, INC.
154 EAST THIRTY-SECOND STREET NEW YORK

REPORT

SUBMITTED TO International Vitamin Corp. 50 East 42nd Street New York, N. Y.
DATE October 17, 1938
LABORATORY NO 24547
RECEIVED August 31, 1938

SAMPLE Powder
MARKING IVC Vitamin B Complex #1
DESCRIPTION To be assayed for vitamin B_1 at levels of 175 and 200 international units per gram.

RESULTS OF EXAMINATION

Biological assay of this sample of powder in accordance with the method of Reinoso and Kline (Method No. 4 U.S.P. Vitamin B_1 Committee Cooperative Study, July 30, 1937) indicates that it contains

200 INTERNATIONAL UNITS OF VITAMIN B_1 PER GRAM.

A table summarizing the data upon which this conclusion is based is appended hereto.

FOOD RESEARCH LABORATORIES, INC.
Edmund L. Dee
Director

Each shipment of I.V.C. Vitamin B Complex Powder is accompanied by a report of its biological assay from an independent laboratory — Your assurance of standardization.

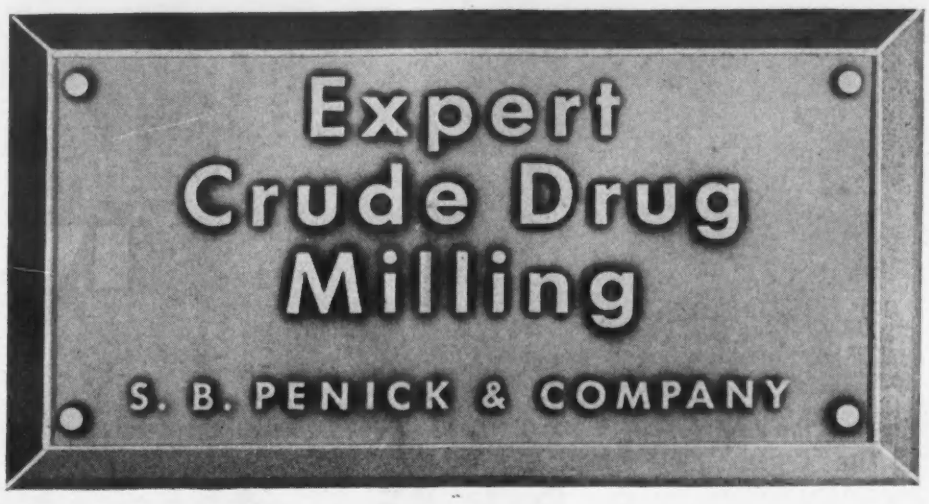
In addition to the above assayed fractions I. V. C. B Complex powder contains all the known and unknown B Complex factors naturally found in yeast.

This product is not a concentrate. No adulterants of any character have been added to increase its Vitamin potency. I. V. C. B Complex powder is a digestible food composed wholly of a yeast grown for high Vitamin potency.

Write for samples of this product which is priced economically for both food and pharmaceutical products.

INTERNATIONAL VITAMIN CORPORATION

50 EAST 42ND STREET NEW YORK CITY



PENICK has modern milling equipment for grinding botanical drugs to meet the requirements of every user. And we are exceedingly proud of the care and efficiency with which our expert millers turn out finished drugs.

Different types of mills or grinders are needed for many botanical items, and the numerous drugs requiring extreme uniformity or fineness can be more accurately ground on mills specially designed by Penick. We have a whole battery of them just for milling these hard-to-grind materials.

Whatever your crude drug wants may be, turn to Penick for quality. If milling is needed, specify your mesh. We grind as finely or as coarsely as you please.

Order From One Reliable Source of Supply---**QUALITY GUMS, FISH LIVER OILS, SOLID AND POWDERED EXTRACTS, ALKALOIDS, CRUDE BOTANICALS, INSECTICIDE BASES, AND COSMETIC RAW MATERIALS.**

Shall we send you our "Price List and Manual" ?

S. B. PENICK & COMPANY

132 NASSAU STREET, NEW YORK **1228 W. KINZIE STREET, CHICAGO**

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

factories had been operated by a single board of directors and that any change which might be made at this time would be purely a formality affecting the financial setup and would be absolutely without effect on the world merchandising of quinine.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 500 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	31½	42¾	21⅛
*Monday	..	..	..
Tuesday	31½	42¾	21⅛
Wednesday	31½	42¾	20⅞
Thursday	31½	42¾	20⅞
Friday	31½	42¾	20½

* Holiday.

Sulfanilamide.—No further change in the price structure developed, and for the most part the undertone of the market appeared to be generally steady. Demand was generally steady in all respects.

Chain Store Tax Bill Is No. 1 in House

—*Continued from page* 3

Exempted from the provisions of the bill would be chains doing a gross annual business of less than $250,000; filling stations which do not sell tires and tubes; facilities maintained by common carriers primarily for furnishing meals and other services to passengers or employees; branch distribution and subscription offices of newspapers; and "individually owned stores whose revenues in part or in whole are not made available to or inure to the immediate or ultimate benefit of any other individual store, store-owner, or any other person, firm, or corporation operating a retail store as herein defined."

The term, "same general management, supervision, ownership, or control," is defined to mean "one management or association of ultimate management, whether by legal control, direct or indirect, or by actual control, direct of indirect, through ownership or control of evidences of indebtedness, physical property, or other assets, through contract, lease, or agency arrangements, through interlocking directors or officers, or through any other means."

Drug Law Color Regulations Hearing Set

—*Continued from page* 3

to all the colors of which samples were submitted. As investigations are completed announcements of public hearings will be made on proposed additions to the lists.

Sections 35.11 and 35.12 (b) of the proposed regulations prescribe procedure for admitting colors to listing and for the payment of a fee for the service of listing. In whatever form these provisions are finally adopted after the hearing on February 6, it is not the purpose of the department to make them effective with respect to any coaltar color, whether covered by the notices of October 6, 1938, and November 28, 1938, or not, of which a sample accompanied by the complete information indicated by these notices is received by the department prior to February 6, 1939, unless and until a conclusion is reached and announced by the department that the facts available do not justify a proposal that the color be listed. Testimony at the hearing on February 6 will not be received on colors which are not listed in section 35.02.

Armstrong Cork Absorbs John R. Livezey Company

The Armstrong Cork Company has merged the John R. Livezey Company, Philadelphia. The Livezey organization has been a distributor for the Armstrong company in Eastern Pennsylvania, Southern New Jersey, Delaware, Maryland, Virginia and the District of Columbia. The personnel of the Livezey organization will be retained. The Washington office of the Armstrong organization will be consolidated with Livezey's office in Baltimore, with E. E. Tanquy as district manager Branch offices and warehouse stocks will be maintained in Washington and Richmond, Va.

Drug Chain Sales Off 0.9 Percent in November

Average daily sales of chain drug stores in November were 0.9 percent lower than in November, 1937, according to preliminary estimates of the Bureau of Foreign and Domestic Commerce, November, 1938 sales were down 1.4 percent from October, 1938. Fountain sales and "all other" sales declined 1.7 percent and 1.9 percent, respectively. The New England region, with an 8.4 percent gain showed the largest increase from November, 1937. Sales in the west south central district decline 5.5 percent.

Dr. Arno Viehoever Named Scientific Adviser to Siam

Dr. Arno Viehoever has been granted a leave of absence as research professor of biology at the Philadelphia College of Pharmacy to become scientific adviser to the Siamese government. While at Bankok, Dr. Viehoever will organize and direct a special research unit, to explore, evaluate and utilize domestic curative and nutritional agents. in which Siam is said to abound.

Dr. Viehoever was educated abroad under such leaders in science as Roentgen of Xray fame; Von Bayer, inventor of synthetic indigo; Goebel and Diels in botany; Korschelt in zoology; A. Meyer in physiology, pharmacognosy and bacteriology; and von Behring, discover of diphtheria antitoxin.

After receiving special degrees in food chemistry and in pharmaceutical chemistry, in the institution of Ernst Schmidt, and a doctor's degree in bacteriology and biochemistry, he was called from his position as instructor and assistant to the director of the Marburg Botanical and Pharmacognostical Institute and Botanical Garden, to the United States to act as pharmacognosist in the Department of Agriculture. This position, in which he organized and directed the pharmacognosy laboratory of the Bureau of Chemistry, and dealt with the evaluation of domestic and imported drugs and food products, was relinquished after ten years, when he was asked by the Philadelphia College of Pharmacy and Science to head the Department of Biology and Pharmacognosy, and to direct the work of the Botanical Garden.

McK.&R. Trustee Repairing Good-Will

—*Continued from page* 5

tinuing their service in the public's interest uninterruptedly.

The Bank of New York has notified the New York Stock Exchange that it was appointed, effective December 24, 1938, successor trustee, paying agent, registrar, and conversion agent of McKesson & Robbins, Inc., twenty-year 5½ percent convertible debentures due May 1, 1950.

Kentucky Cosmetic Tax Was Valid in 1936

OPD Washington Bureau
January 3, 1939

The Supreme Court of the United States today upheld the Kentucky cosmetic tax of 1936 which was attacked by J. Bacon & Sons, which sought a refund. The court dismissed the appeal "for the want of a substantial Federal question."

The State statute, since repealed, applied a tax on the receipt of cosmetics by a retailer, but the Court of Appeals of Kentucky construed this as applying to the sale and use of cosmetics after receipt and not as a burden on interstate commerce. In a brief per curiam decision the supreme court held that it could not go beyond the construction of the statute by the State court.

'Vitalis' Blocks 'Vit' Mark

The U. S. Patent Office has held that Vit Sales, Inc., is not entitled, as the assignee of Vit Incorporated, Minneapolis, to register the term, "Vit" as a trademark for shampoo in view of the ownership by the Bristol-Myers Company, New York, of the registered trademark, "Vitalis," used on a hair tonic. The decision pointed out that the goods are of the same descriptive properties and declared there would be a possibility of confusion in trade if the two marks were used concurrently.

Botanical Drugs, Spices, and Gums

Small Manna Flake Higher—Bourbon Vanilla in Further Advance —Myrrh Gum Lower—Mandrake Root Shaded—Select Elm Bark Shaded—Market More Competitive

Business in botanical drugs during the past week was still a very quiet affair. Buyers were still busy with the activities associated with the annual inventory period and hence trade continued to be along conservative lines. However, with the passing of 1938, business did gain some and there was clearly a loosening of the restrictions that made the end of that year one of exceptional dullness.

Medicinal botanicals for the most part appeared to be holding fairly well as to price. Here and there were signs of special concessions being granted to meet special conditions and for the most part there was a reasonable disposition to meet favorably the bids submitted by buyers. Beneath the surface of the market there was unquestionably a disposition toward substantial competition and when it came into play there was an equally unquestionable tendency to bend moderately before the force exerted in favor of price shading. This was an occasional situation, and not the general rule.

Dealers on spot were disposed to look forward to a very good business during the balance of the Winter as well as during the Spring months. Trade had been none too active during the final quarter of the year and hence it was believed that many manufacturing consumers will be forced into the market to cover definite and oftentimes urgent requirements.

Entries of botanicals at the port of New York since the week of January 1, 1939, the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags Detained.	Bags Entered.
Anise	...	50
Belladonna	...	...
Caraway	...	1,398
Cardamon (cases)	...	...
Celery	...	...
Coriander	...	100
Cumin	...	...
Digitalis leaves (cases)	...	...
Dill	...	...
Fennel	...	...
Henbane leaves (bales)	...	...
Mustard	...	30
Poppy	...	900
Sage leaves (bales)	...	390
Sesame	...	...
Stramonium (bales)	...	...
Thyme (bales)	...	...

Price Changes

Prices were changed during the past week as follows:—

Advanced

Cassia, Batavia, No. 1, ¼c. per lb.
Saigon, ½c. per lb.
Clove, 2c. per lb.
Cardamom, decorticated, 3c. per lb.
green, 2c. per lb.
Manna flake, small, 3c. per lb.
Poppy seed, Dutch, 1½c. per lb.
Polish, 1c. per lb.
Pepper, black, Alleppy, ¾c. per lb.
Lampong, ½c. per lb.
Pimento, ½c. per lb.
Rapeseed, red, ½c. per lb.
Bulgian, ½c. per lb.
Vanilla beans, Bourbon, 25c. per lb.

Reduced

Anise, star, ½c. per lb.
Borage flowers, 1c. per lb.
Bayberry root bark, 1c. per lb.
Cassia, China rolls, selected, ¾c. per lb.
Canary seed, Argentine, ½c. per lb.
Calamus root, bleached, 1c. per lb.
Elm bark, select, 1c. per lb.
Fir balsam, Canada, 50c. per gal.
Ginger, Jamaica, bright grinding, ¼c. per lb.
Myrrh gum, 3c. per lb.
Mandrake root, ½c. per lb.
Mustard seed, California, brown, ½c. per lb.
Pepper, white, Java Muntok, ¼c. per lb.
Saigon, ¼c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
118.1	118.2	119.1	135.8

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Fir.—Canadian balsam was offered fairly freely at $10.50 to $11 per gallon. It may be recalled that import costs were lower than the United States-Canadian trade pact reduced the duty of this country. Oregon balsam remained steady.

Peru.—Business was normally light last week, over-the-end-of-the-year activities tending to keep new business in check. Prices remained quotably unchanged.

Barks

Bayberry.—The market was a shade lower at 14c. to 15c. per pound, an end of the year readjustment that was said by some to be in line with the extremely quiet market prevailing for some time.

Black Haw.—Tree bark was noted at 13c. to 14c. per pound, down a shade. Root bark remained steady on the basis of the late decline. Business was very quiet.

Cascara Sagrada.—Practically no inquiry developed last week, nor was there reason to expect an early expansion of trade to a substantial total. In the meanwhile, fairly steady prices were forecast for both the spot and primary markets.

Elm.—A slight amount of business in select bark was booked at 24c. to 25c. per pound, this being a competitive transaction that led to a moderate shading of prices previously named. Since conditions have been favorable for good consumption on the part of buyers, more trade was expected to develop shortly.

Sassafras.—Immediate demand was light but there was reason to expect an early improvement in the call and for the most part dealers felt that consumers would find values to be on a steady to firm basis.

Beans

Calabar.—Demand was missing but prices held steadily notwithstanding that fact. Stocks were insufficiently large to lead holders to seek reduction in inventories at the expense of values.

Vanilla.—Bourbon beans were advanced to the basis of $5 to $5.50 per pound. Mexicans were also quoted $5 to $5.40 for the whole, and $4.50 to $4.75 for cuts. South Americans were on the nominal basics of $4.50. The last two weeks in December were periods of demand considerably better than some had thought. During the past week trade slackened considerably, but in view of the very small stocks throughout the world and the length of time before new production can reach world markets, local dealers expected advances to continue if demand hold up well.

Berries

Hawthorn.—Distribution of stocks was poor and holdings at the very largest were conservative in size since replacement buying has been none too easy. Quotations were very firm.

Raspberries.—This material closed the year in an apparently well stabilized position even though demand was virtually nil. The effect of new crop appeared to have run its course and most dealers expected values to be well maintained in the future.

Flowers

Borage.—A few sales were made at 19c. to 20c. per pound, a shade less than the previously open quotations on the material. The readjustment was declared to have resulted from some gain in competition.

Chamomile.—Roman flowers were very firm, while the Hungarian variety of material was at least substantially steady. Neither came in for more than a light demand during the past week.

Lavender.—Prices were firm and with excellent demand being forecast for the Spring and Summer months, sellers were disposed to be somewhat reserved in offerings and acceptance of orders.

Linden.—Jobbing request was fair but the total of transactions was typical of the immediate time of year. Prices seemed to be generally steady. Stocks were of fair size.

Rose.—Stocks of pale flowers were practically exhausted and the situation was such that whosoever held a supply could about dictate prices to suit his pleasure. European shippers appeared to have very little to offer.

Gums

Arabic.—The year opened quietly,with consumers still busy with inventory activities and with known requirements of many buyers still on the side of conservatism. Prices were unchanged, but most comment was to the effect that "we are trying to get 9c. to 9½c. per pound." The element of competition still was present.

Camphor.—Natural camphor remained moderately active on the basis of the recent concession in prices. Quotations on synthetic material seemed to be on the steady side, with a fair prospect for new business spreading ahead through the first quarter of the new year.

Myrrh.—The market ranged 42c. to 50c. per pound, depending on seller. Some suppliers looked forward to the arrival of goods bought at lower levels in the primary market, and were hence disposed to reduce their current inventories to some degree.

Olibanum.—The market was very quiet and distinctly routine throughout the past week. Prices remained steady and competition was negligible part of trade during the period under review.

Tragacanth.—The future market position was being watched closely, since it seemed not unlikely that developments at the source of supply were not unlikely to happen at an early date. Meanwhile, prices were held in steady position.

Herbs and Leaves

Belladonna.—The market ranged 12½c. to 14c. per pound, depending on test of the material, and for the most part the situation seemed favorable for greater activity among manufacturing consumers. Certainly, offerings were being made more plentifully and freely.

Buchu.—While better demand was expected, it failed to expand last week, and some reports suggested that open quotations were subject to shading under special circumstances when orders of attractive sort were pending.

Digitalis.—Not all sellers were meeting the minimum of spot quotations, but all agreed that such prices were possible and that a fair stock of domestic merchandise was caring readily for all requirements of the consuming trade at this time.

Peppermint.—The recent news was that Germany was using this article in the preparation of a commodity to substitute for the tea of China and the Far East; said tea was reported to have been placed on the forbidden list of raw materials that have to be imported. The spot price was firm at the recent advance. Domestic leaves lacked development.

Miscellaneous

Ergot.—Prices were still easy, but they lacked further quotable change by the close of last week. Conditions, however, were entirely favorable for buyers.

Grains of Paradise.—Very high prices have been paid, and the market was such as to make values virtually nominal. Nor was there relief in sight, so far as the ability of dealers to restock local supplies by purchase abroad.

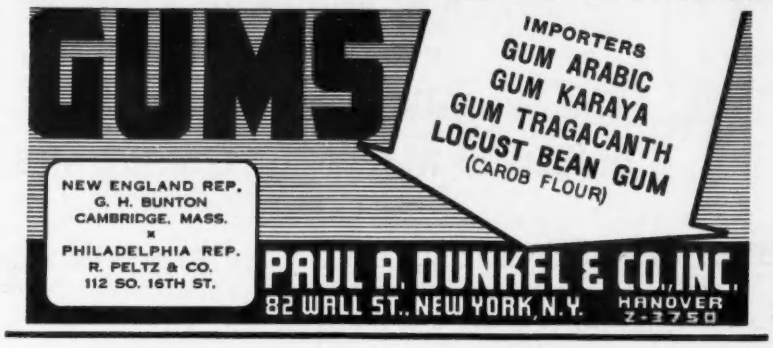
Guarana.—Jobbing business continued to be the backbone of transactions, and during the first week of the new year there was not a great deal of that sort of activity. Open quotations held unchanged.

Lycopodium.—The undertone was very steady, and recent price advances were fully maintained. It was doubted that much merchandise would be forthcoming from Europe in the months ahead.

Manna.—Small flake was quoted at 24c. to 25c. per pound, being slightly higher than it had been. Large flake remained basically unchanged, though some quarters recently quoting upwards of 48c. took an easier view of the situation.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Professionally Milled
ANALYZED - STANDARDIZED
CRUDE DRUGS
"QUALITY is remembered long after price is forgotten"
The Earth Contributes AND J.L. HOPKINS & CO. DISTRIBUTE ALL KINDS OF ROOTS, BARKS, HERBS, GUMS, LEAVES & SEEDS, WHICH ARE USED FOR MEDICINAL PURPOSES; WHOLE, GROUND OR POWDERED
J. L. HOPKINS & CO.
220 BROADWAY • NEW YORK CITY



Now Available

Desirable Sales-Building Space

in the

Oil, Paint and Drug Reporter Advertising Pages

The World's Broadest Industrial Marketing Community

Sizes in wide variety, to fit your convenience

Locations suited to your particular needs

Busy Surroundings

Top-Notch Neighbors

Community Service

Rates Reasonable

Our representative will be pleased to call on you to explain the desirability — and the profitability—of your being where business is.

OPD advertising is every week and throughout the week in the midst of the world's busiest industrial consuming and bulk marketing of chemicals, oils, and drugs.

OPD advertising will put you right there where you must be to get your share of the business that is being done — opportunities can't even be seen by "absent treatment."

Rent yourself a place NOW. You'll be delighted with it.

Oil, Paint and Drug Reporter
59 John Street New York, N.Y.

Roots

Calamus.—Bleached material sold at a slight decline to 39c. to 40c. per pound under competition. Peeled material lacked change. The call was irregular throughout the period.

Cube.—Prices were highly favorable for consumers and ranged 24c. to 28c. per pound, according to quantity. Sellers took a fairly easy view on the market and were disposed to become competitive on the development of firm orders.

Derris.—Quotations were easy at 24c. to 34c. per pound, prevailing according to quantity. The market has been more competitive of late and conditions late in the past week favored buyers in practically all respects.

Mandrake.—Sellers indicated that firm orders could be placed on spot at 9½c. to 10c. per pound with sellers being disposed to entertain buyers' views. The reserve was said to be fairly large in size.

Senega.—Because of primary market stocks being concentrated in a few, strong hands, local quotations assumed a strength not entirely justified by the current movement of inquiries and orders to this market. Basically, the market was declared to be very firm.

Seeds

Anise.—Star seed sold at a concession to 14½c. per pound and it was felt that even a fraction less might have been actually worked during the period under review. Spanish and other varieties, such as Mexican and Russian seed, lacked change but had a fairly easy undertone.

Canary.—Argentine seed was shaded to 3¾c to 4c. per pound. Other varieties lacked change. All were firmer at the source.

Caraway.—A slightly more active market resulted in prices beginning the year at 6¾c. to 7¼c. per pound, a fractional advance. The undertone abroad was said to be considerably firmer.

Cardamom.—Decorticated was advanced to 83c. to 85c. per pound, while green was also up to 53c. to 54c. Only bleached seed was fairly easy in undertone and that was caused by the favorable import position of the article available for shipment.

Poppy.—Values advanced substantially. Dutch seed was up to 9¾c. to 10¼c. per pound, and Polish was named higher at 9½c. to 10c. Most importers had reported a stronger foreign situation that had been apparent of late and last week they declared for faith in an extension of the present advance.

Spices

Cassia.—China selected rolls were down further to the basis of 14c. to 14½c. per pound. Broken rolls held unchanged at 8½c. to 8¾c. No. 1 Batavia was up a fraction to 15¼c. to 15¾c. Saigon, higher at 15c. to 15½c. Actual trading was irregular.

Clove.—An exceptionally tight situation governed the delivery situation on spot and 19c. to 19½c. per pound had to be paid for immediate deliveries. Goods to arrive in the future from Madagascar were 14¾c. to 15c. Hence the present price situation was believed to be temporary.

Ginger.—The sole change over the end of the year was a decline to 9¾c. to 10¼c. per pound for the bright grinding quality of Jamaica root. Other varieties of ginger, and all other prices, lacked new development.

Pepper.—Black Alleppy advanced to 8c. to 8⅜c. per pound. Black Lampong stood at 4⅝c. to 5c., also up a fraction. White Java Muntok was lower at 7c. to 7⅜c., and the Saigon was down to 6⅞c. to 7⅜c. Red peppers lacked quotable change.

Trading in black pepper futures on the New York Produce Exchange from January 3 to January 6, inclusive, comprised 165 contracts, a total of 5,544,000 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
January	4.63	4.45	4.66@4.70
March	4.80	4.52	4.75 sales
May	4.90	4.64	4.84@4.86
July	5.01	4.75	4.95@4.97
September	5.10	4.83	5.04@5.06
October	5.02	4.91	5.07@5.11
November	5.08	4.97	5.10@5.15
December	5.21	4.97	5.16@5.20

Pimento.—Offerings were made at no less than 14¾c. to 15½c. per pound, and the general undertone of the market continued to show the strength gaining prominence as the end of the year drew nearer. Undertones were very firm last week.

Md. Poison Sales Regulations Being Drafted

Subsequent to a meeting of representatives of manufacturers of insecticides and disinfectants with the Maryland State Department of Health, December 21, a special committee was appointed to cooperate with Dr. Robert L. Swain, State deputy food and drug commissioner, in drawing up a measure satisfactory for enactment by the Maryland General Assembly, which will govern the State sale of agricultural and insecticide poisons.

The proposed measure has not been actually drawn as yet, but the main provisions are as folows:—Prohibiting the distribution of lead arsenate, calcium arsenate, magnesium arsenate, and other white arsenicals used in agricultural insecticides and fungicides, and a chemical used as a household insecticide unless the product is distinctly colored so as to obviate the likelihood of its being mistaken for flour, meal or other similar food product; limiting the wholesaler, jobber and retailer of these poisons to sales in manufacturers' original packages, which are to be labeled so as to clearly indicate the nature of the compound; requiring all distributors to operate under an annual permit issued by the board of Pharmacy, the purpose of this regulation being to provide for the effective administration of the law.

'Chloro-Phedrine' Denied Registration as Trademark

Lloyd O. Perry, Detroit, is not entitled to register the term, "Chloro-Phedrine," as a trademark for medicines for head colds, the U. S. Patent Office has decided, in view of the prior use by the Schering Corporation, Bloomfield, N. J., of the term, "Chlorylen," as a trademark for medical and chemical pharmaceutical preparations for treating neuralgic and convulsive affections. The opinion held that the goods were so similar that confusion would be "reasonably likely" with concurrent use of the two marks.

Wood Distillations Showed Improvement in 1937

Establishments engaged in wood distillation and the manufacture of charcoal reported the number of wage earners employed in the industry in 1937 was 4,467, compared with 3,808 in 1935 and wages paid in 1937 totaled $4,024,409, against $2,816,417 in 1935, according to the Bureau of the Census. There were sixty establishments, the same number as reporting in 1935. The value of products of the industry for 1937 was $26,144,984, against $15,970,917 in 1935. Cost of materials totaled $11,327,569 in 1937, against $7,923,459 in 1935.

McCormick & Co. Gives Party

Employes of McCormick & Co., chemical specialties, insecticides, extracts, Baltimore, held their annual Christmas party December 23 in the company's auditorium, with A. P. Walters as master of ceremonies and Lester W. Jones as leader in the singing of carols. After the carol service a minstrel show was given by members of the staff, under the direction of Normon Settle, followed by dancing. The children of employes enjoyed a special treat, in the "Ye Olde McCormick Tea House," where gifts were distributed, and ice cream and cake were served.

N.Y. Quinine to Operate On Five-Day Week

The New York Quinine & Chemical Works, Inc., fine chemical manufacturer, this city, will operate on a five-day week beginning January 1, 1939. All orders received up to noon each Friday throughout the year will be shipped that day and the company requests its customers to co-operate so as to enable it to serve them to the best advantage.

By adopting this program, NYQ is able to give all its employees two full holidays each week, this, it is hoped, without disadvantage to the domestic and foreign buyers of the company's products.

R. E. Lee Williamson, secretary of the Federal Wholesale Druggists Association, is recovering in his home in Baltimore from the heart affliction he sustained about a month ago. His progress is gratifying, but slow, and he is able to spend but brief periods in his office.

Essential Oils, Aromatic Chemicals

Inventory Activities Continued to Keep Sales Volume Conservative —Some Signs of Expanding Needs Noted—Prices Generally Low and Reasonably Steady—Stocks Fair

Inventory in the plants of numerous buyers of essential oils and aromatics occupied the attention of consumers to the exclusion of most other activities. So far as selling into consumption last week was concerned, local suppliers of raw materials reported gains, if any, to be distinctly conservative. Some pickup in trade was reported, however, and prevailing market sentiment was better than it was a year ago.

Signs pointing to more and better business were not lacking. Inquiries seemed to be definitely on the gain and reports of house representatives in various parts of the country suggested that fairly important needs have been held in abeyance during much of the final quarter of the old year. Stocks of raw materials to be inventoried by consumers were expected to be relatively conservative in size and hence there was reason to expect a revival of more active trade as the new year gets under way.

Prices on the spot market were generally steady to firm. Values have receded to the point where definite resistance to further trade arises from the fact that actual replacement costs rarely leave a margin for further shading of consumer prices if any profit is to be left to suppliers for consumption.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Phenylethyl alcohol, 20c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
68.7	68.7	68.7	77.9

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Amber.—A quiet but steady market began the new year with fair stocks protecting the requirements of manufacturing consumers. Prices were well held in all directions.

Anise.—The market was exceptionally steady at all times and, in fact, appeared to be basically firm in practically all directions. Conditions appeared to point to values being maintained for the immediate future since signs of normal shipments from China were still indistinct.

Bergamot.—Undertones were on the steady side even though demand was not especially active. Most of the call was for small quantities of pressing need. In the main, however, buyers were not generally in the market. Prices remained very steady.

Cajeput.—Routine but fairly good trade was noted and the general undertone of the market was very steady last week. Values were well held and there appeared to be little tendency toward competition.

Camphor.—While the market was not active, it was strong. The lack of normal reserves served to hold values fully and, in fact, quotations were virtually on a nominal basis because of the situation surrounding supplies.

Caraway.—More inquiry was noted and a gain in sales came to some sellers with the arrival of the new year. Prices were generally firm to steady in the absence of much competition in this market.

Cassia.—Undertones were very steady. Values appeared to have a slightly upward tendency because of the situation prevailing in the primary market, where the normal exports have come under conditions resulting from war. As to demand, it was moderate on spot and drew deliveries from a not large local reserve.

Citronella.—Because the price of Java oil is so low, agents handling Ceylon material reported inability to do business in that article. In fact, very few offerings of Ceylon oil have been received by numerous local agents. Locally the market was steady, though not very active.

Clove.—Values held steady despite the absence of much new business following the turn of the year. The cost of spice was such as to make for genuine strength in the oil market. Local reports on spice noted sharply higher spot prices, though goods to arrive were priced not much differently than they had been of late.

Eucalyptus.—Selling should gain with the passing of the inventory period and most importers looked forward confidently to a good season during the next few months. Prices seemed to be generally steady on the whole.

Geranium.—Values were low, attractive, and dealers expected a fair expansion in sales volume once buyers get through of inventory activities and square away on new business. Because sales during the final quarter of the old year were not too satisfactory, it was believed that better things were definitely ahead.

Juniper.—Reasonably good sized jobbing request was current on the spot and prices had a tendency to strengthen most of the time last week. Some dealers did advance quotations and others intimated that they might have to do so also.

Lavender.—Stabilization appeared to govern the market for this material and prices entered the new year in fairly well-maintained position. On the whole, they were far more attractive than a year ago and dealers expected that actual requirements would come into the market in order especially to profit by prevailing values.

Lemon.—Movement into consumption was moderate, in keeping with the fact that inventory activities still held sway among many manufacturing consumers. California oil continued to be available at very steady, well-maintained prices that were backed by an excellent reservoir of reserve stocks in the hands of the largest producers. Italian oil appeared to be a trifle easier and some tendency toward shading of spot prices was noted.

Lemongrass.—Values were low in a market noteable for competition that has been encouraged substantially by the absence of a steady call from buyers for consumption. Replacement quotations were low and favorable, in the main.

Lime.—All varieties were well held in price last week. Whenever signs of shading came, they appeared usually in directions offering Mexican distilled oil. The latter article produced in the West Indies continued firm on the basis of quality. Expressed oil was firm. Trade was quiet.

Mandarin.—No further breaking of the market was noted and those supplying high quality oil appeared to take a fairly firm position on values in general. In view of the time of year, demand was normally irregular.

Mustard.—Stable undertones governed the position of artificial oil on this market though there had been in the past some reason to look forward to a more competitive position. Natural oil was fully stable.

Orange.—Sellers expected a broadening of general request when inventory activities have ended. The position of California expressed oil was one of exceptional attraction to consumers since the price was far under any competing material. Ample stocks of the California appeared to forecast a well stabilized market with ample protection of consumer needs being afforded by excellent reserves held by the largest producers. Trade in the market was of jobbing sort throughout the past week.

Palmarosa. — Shipment prices have been advanced some and a firmer market prevailed at most points. However, demand for spot deliveries was slow.

Peppermint. — The market was still rather narrow on spot but there seemed to be a firmer undertone flowing below the surface of the market and in at least two instances sellers were trying to get slightly higher prices. Values in the primary market continued to be very firm with stocks concentrated mainly in the hands of strong merchants.

Pineneedle. — Some reported more selling in larger quantities while others indicated that the general market position was on the firm side with prices being better maintained.

Rue.—Stocks were mainly small and difficulty in getting replacements suggested an absence of normal reserves for some time to come. Quotations were very firm and the tendency, if any, was upward.

Tansy. — The lowest stock in years was more than enough reason for prices remaining strong and upward in tendency. Any attempt to buy sizable quantities would, in the opinion of suppliers, force a higher level of prices into being.

Wormseed. — The market was no lower, holding at a minimum of $2.20 per pound but the undertone was generally easy under the influence of ample reserves in the primary market. Revival of important export and domestic demand was expected to come and eventually a reversal of price trend

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

LOW PRICES are low only when quality standards are maintained. Magnus, Mabee & Reynard, Inc. has upheld tested quality standards for 44 years.

MAGNUS, MABEE & REYNARD, Inc.
16 DESBROSSES STREET, NEW YORK, N. Y.

Balsams, Aromatic Chemicals, Concentrated Flavors ... Since 1895 *Essential Oils*

OIL OF SANDALWOOD EAST INDIA

We are pioneers in the distillation of this Oil in U. S. A. Looking back over our fifty-one years business experience, we can say that during half that time we have been manufacturers of Sandal Oil, and we unhesitatingly and without reserve offer our product as

THE FINEST OBTAINABLE

With our knowledge of Sandal, we believe you will admit we know whereof we speak when we make this claim.

High in Santalol content **Exquisite in Aroma**

GEORGE LUEDERS & CO.
427-429 WASHINGTON STREET, NEW YORK
Factory: Brooklyn *Branches:* Chicago, San Francisco, Montreal, Mexico City

D. W. HUTCHINSON & CO., Inc.
ESSENTIAL OILS
IMPORT Established 1896 EXPORT
162-164 FRONT STREET NEW YORK CITY

Headquarters for
PERFUME COMPOUNDS
True - **FLAVORS** - Imitation
ESSENTIAL OILS
BALSAMS
Peru - Copaiba - Oregon
H. C. RYLAND, Inc.
161-163 Water St., New York, N.Y.

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.

DON'T FORGET THIS DATE

On Thursday, March 9th, the 14th Annual Drug, Chemical and Allied Trades Banquet sponsored by the Drug, Chemical and Allied Trades Section of the New York Board of Trade will be held at the Waldorf-Astoria, New York City. May we offer this friendly reminder that you have a most important "dinner-date" with your industry on that evening . . . Better make your reservation now!

FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.

was looked for as being reasonably sure.

Aromatic Chemicals

Amyl Salicylate. — Trade was that common to the market in the past several weeks, consisting usually of moderately sized orders. Values appeared to be steady to firm in the absence of much competition.

Bromstyrol. — Soapmakers were expected to return to the market to cover requirements held in abeyance for some time past. Quotations were steady to firm in all respects and undertones were exceptionally steady.

Carvol.—Demand was about sufficient to give prices full support and to keep market undertones on the firm side under the influence of a market lacking in unsettling competition.

Cinnamic Aldehyde.—The pure quality moved in fair quantities and kept a firm price position throughout the first week of the new year. Reserves in the hands of the leading suppliers were excellent.

Coumarin.—A fair amount of business was reported on the books of the leading suppliers and prices in general reflected a position of some strength throughout the past week. Competition was negligible.

Diphenyl Oxide.—Basic prices were steady and were expected to hold during the weeks immediately ahead. Demand was expected to return to better volume once business swung into its normal stride following the end of the year period.

Ethyl Cinnamate.—A tendency toward competition was noted and while open quotations lacked quotable change, they seemed to be somewhat easier and inclined to move in the favor of buyers.

Ethyl Phenylacetate.—Trade was still slow and signs of an early pickup in movement into consumption were not prominent. Prices seemed to be on the steady size, however, since they were said to shape up closely with replacement cost to the producers.

Eucalyptol.—Outlook for better business was reported and a gain would be in keeping with seasonal activity in the material. Prices were very steady on the whole and were closely in alignment with the prevailing cost of production.

Eugenol.—Raw material was on the firm side because of the raw material situation. This derived material was firmly held as to price and prospects for selling during the next three months were believed to be improving.

Geraniol.—Comparatively large stocks found consumption insufficient to reduce reserves steadily and substantially. The result was that the market continued to favor buyers with firm orders to place.

Linalool.—Business was routine and, on the whole, conservative in most respects. Prices were reasonably steady in all respects in the absence of much competition between leading suppliers.

Linalyl Acetate. — Outlook for 1939 trade was said to be an improvement over that a year ago. More confidence in the consuming market was reported and in general prices were felt to be firmer than they had been.

Methyl Cinnamate.—Manufacturers of soapmakers perfumes were showing signs of more activity and a gain in the volume of sales was expected in the not far distant future. In the main, market undertones seemed to be steadier.

Phenylethyl Alcohol.—The domestic was cheaper at $2.50 per pound but the imported goods were said to be fairly priced at $3.35 per pound as a firm position.

VANILLIN
C. P., U. S. P.

• •

In the interest of finer **Flavor,** uniform quality and utmost economy, we invite you to investigate our Vanillin.

• •

AROMATICS DIVISION
GENERAL DRUG CO.
170 Varick Street
NEW YORK CITY
1220 W. Madison Street
CHICAGO, ILL.
907 Elliott Street
WINDSOR, ONT.
Transportation Building
LOS ANGELES, CALIF.

N.Y. Trade Board Elects

Percy C. Magnus, president of Magnus, Mabee & Reynard, Inc., has been elected chairman of the directorate of the New York Board of Trade at a meeting in the Hotel Vanderbilt December 29. Mr. Magnus is succeeded as president, which office he held for six years, by W. E. McKell, president of the New York Casualty Company.

Other officers elected were:—Vice-presidents, John A. Zellers, of Remington Rand, Inc.; James C. Chilcott, president of the Maltine Company, and Arthur Snyder, of the Alfred M. Best Company; treasurer, J. Frederick Talcott, treasurer of James Talcott, Inc.; assistant treasurer, Harrison D. Blair, of the Chemical Bank and Trust Company; secretary, Frank Flynn, of the Commercial Cable Company.

'Vanity Fair' Name Wins Cosmetic Edifice Contest

'Vanity Fair' has been judged the winning name submitted in a contest, conducted by the Perfumery & Cosmetic Exhibits, Inc., for selecting a name applicable to the building which is to house the perfume and cosmetic exhibits at the New York World Fair. The contest was open to the demonstrators and other employees of companies having space reservations in the building.

As three of the contest entrants had submitted the name 'Vanity Fair,' the first prize of $100 was divided on the basis of the letters written by the contestants describing their reasons for the choice of the name. Louise Kent, representing Coty, Inc., at the Sontag drug store, Long Beach, California, was awarded $50, while Edith Biggs, Bourjois representative at the Bon Marche, Seattle, Wash., and Michael Naglieri, of Yardley's Union City factory, were awarded $25 each. Ten consolation prizes of $10 each were also awarded.

Although the name 'Vanity Fair' was the winner of the contest, it was stated that it will not necessarily be the name finally adopted for the building, since any name must be first submitted to the fair authorities for approval.

Artificial Leather Industry Had Broad Gain in 1937

Manufacturers of artificial leather reported the number of wage earners in the industry in 1937 totaled 2,541, against 2,254 in 1935, according to preliminary figures compiled from returns of the recent Biennial Census of Manufacturers, released by the Bureau of Census. Wages paid increased from $2,576,754 in 1935 to $3,475,034 in 1937. Value of products of the industry increased from $21,218,239 in 1935 to $27,607,448 in 1937. Cost of materials totaled $18,413,414 in 1937, against $13,917,344 in 1935. The number of establishments reporting in both years totaled twenty-five.

In the oilcloth industry wages in 1937 amounted to $1,698,300, against $1,622,633 in 1935, with 1,269 wage earners in 1937, against 1,394 in 1935. There were eight reporting establishments in both years. Cost of materials was reported at $9,374,393 in 1937, against $9,266,851 in 1935. Value of products reached $12,817,461 in 1937, against $13,102,973 in 1935.

Peter-Neat division of McKesson & Robbins Company, Louisville, Ky., gave its annual Christmas party to sixty employees and guests December 23. E. H. Moss, chief executive of the division, was in charge of arrangements.

International Drug Club Forms Overseas Unit

An overseas division of the International Drug Club, New York World Fair feature, is being formed, according to information from Joseph A. Huisking, chairman of the committee for the drug industry's participation in the fair. The overseas division is to be composed of the export managers of United States pharmaceutical firms, and its purpose is to entertain visitors from overseas, and to set up an international exchange of correspondence and worldwide organizational relations.

Considerable international interest and enthusiasm has already been evidenced in the Hall of Pharmacy and the International Drug Club. According to William A. Vollmer, director of *El Farmaceutico,* leading South American drug trade publication, the recent conference of the twenty-one American nations in Lima, Peru, has heightened the interest of all South America in the coming world fair, and large delegations of drug men may be expected to visit the fair from all the Latin-American countries.

I.C.C. Upheld On Warehousing Order

OPD Washington Bureau
January 3, 1939

An Interstate Commerce Commission order directing seven railroads operating in the Port of New York district to cease furnishing storage and warehouse services to shippers at less than actual cost was upheld in a decision handed down today by the United States Supreme Court. The carriers appealed to the supreme court from a ruling by the Southern New York Federal District in which it refused to enjoin enforcement of the order.

Charles Guth's appeal against the decision giving 91 percent of the stock of the Pepsi-Cola Company to Loft, Inc., has been docketed to be argued in the Delaware Supreme Court between January 27 and 30. Mr. Guth is former president of Loft, Inc.

Trade Briefs

Pantepic Oil Company of Venezuela has filed a certificate of dissolution with the Delaware Secretary of State.

Avalon Oil Company, Los Angeles, Calif., is building a refinery in South Gate, Calif. The new plant will cost $2,500.

Matthews Drug Company, Albany, has filed a certificate of voluntary dissolution in the office of New York State Secretary.

Magnolia Petroleum Company, an affiliate of the Socony-Vacuum Oil Company, has entered the retail gasoline field in New Orleans.

Jacob Dold Packing Company directors have approved the sale of its Buffalo plant and business of the company to the Hygrade Food Products Corporation.

Medicinal and toilet preparation manufacturers in Nicaragua have been listed by the Bureau of Foreign and Domestic Commerce, Washington. The list is available to accredited American firms at 10c. per copy.

Norman F. Greenway has been appointed general manager of the Robert Gair Company, this city. Norman F. Greenway has been resident manager of the Piermont plant, the company's largest folding carton factory.

Pharmaceutical specialty lines are desired by a visitor from Argentina, representing a firm of manufacturers' agents, who is expected to arrive in the United States about February 15. Details regarding this visitor are available to accredited American firms by addressing Foreign Visitor No. 262, Bureau of Foreign and Domestic Commerce, Washington.

National Association of Insecticide and Disinfectant Manufacturers has appointed a committee, composed of John N. Curlett of McCormick & Co., Baltimore, H. M. Clark of Dr. Hess & Clark, Ashland, Ohio, and Samuel H. Bell, of the S. H. Bell Company, Pittsburgh, to work out plans to commemorate the completion of twenty-five years of activity of the association.

Guard against costly product spoilage with scientifically pure penn-drake petrolatum

• Karnsite refined from 100% Pure Pennsylvania Crude

When you use Penn-Drake Petrolatum in your products, you're rid of costly complaints often caused by latent impurities in ordinary bases.

With Penn-Drake Petrolatum, refined by our exclusive Karnsite Process, you get laboratory purity. Where commercially pure petrolatum rates an Iodine Test Number as high as 9, Penn-Drake shows less than 1 Number.

Your products gain sales-producing advantages with Penn-Drake Petrolatum; long-time stability, free from unpleasant odor or taste; unusual resistance to effects of heat and light.

Make certain your products keep their original excellence that steps up popularity and sales —write today for samples and literature.

THE PENNSYLVANIA REFINING CO., Butler, Pa.
Quality Petroleum Products Since 1887

penn-drake white oils and petrolatums
Insecti-sol (odorless base)
motor oils, waxes and other petroleum products

penn drake petroleum products

Petroleum Solvents, Lubricants, Fuels

New York Fuel Oil Prices Advance—North Texas Crude Oil Price Lowered—Gasoline Production Up Over Last Week —Greater Heating Oil Demand Seen

With estimates indicating an increased consumption of all types of petroleum products during this year, producers were laying plans for the expected increased demand. Motor fuel and heating oil seemed to be the two products chosen by the factors as the ones mostly to witness a boom year. As one of the first steps in preparation for the increased business to come, demands for curtailed production of crude oil have been heard on all sides. The features of the petroleum market last week were increases in the price of heating, Diesel and gas oils in New York, drastic lowering of the crude oil price in certain sections of the North Texas field, and an increase in the tankwagon price of gasoline for consumption in two States in the South.

In other sections of the country little changes in the market were noticed. In most cases both the price and the demand were reported the same as they were in the previous week. Two wells in Washington county, Illinois, were showing oil saturation in Benoist sand and giving promise of opening the first oil pools in that section.

The daily average production of crude oil in the United States for the week ended December 31, 1938, was 3,201,450 barrels, according to an estimate of the American Petroleum Institute. The average daily production for the four weeks ended December 31, was 3,293,150 barrels. Run of crude oil to stills for the week ended December 31 was 3,115,000 barrels daily during the week as reported to the S.P.I. by refiners controlling 85.6 percent of the nation's refining capacity. All companies had in storage at refineries, bulk terminals, in transit and pipelines as of the end of the week, 71,695,000 barrels of finished and unfinished gasoline; 29,082,000 barrels of gas and distillate fuel oils, and 115,741,000 barrels of heavy fuel oils.

On January 4, Senator Neely introduced in Congress a bill (S.286) to impose a tax of 3c. per gallon on fuel oil. The bill was referred to the Senate Finance Committee. The Texas Railroad Commission has called a Statewide oil proration hearing for March 15. The Commission has also called a gas proration hearing for January 20 to be held in Amarillo.

Solvents and Diluents

This year's prospects of the solvents industry are brighter than they were a year ago, was the enthusiastic viewpoint expressed by leading business men. It is felt that new products and new processes promise to add materially to the market for solvents. Spot business for solvents and diluents improved somewhat over the dull trading of the holiday period but inventories were a drag on the market and despite the noted betterment things were generally described as having been slow. The price side of the market seemed to be in a sound unchanged position.

Aromatic Naphthas.—The market was firm with demands light. The price set during the summer for this item held steady during the past week.

Petroleum Thinners.—Prices here and in the Midcontinent section remained unchanged. There was a slight drop in orders during last week.

Rubber Solvents.—Tire manufacturers were slightly more active last week than in several previous weeks and as a result the spot demand for these solvents increased in proportion. The listed price, however, remained firm showing no inclination to fluctuate with the demand.

V. M. & P. Naphthas.—Condition of the market was not very active last week. Sales, however, increased slightly over the week before. Prices at all points remained unchanged.

Markets at Other Centers

CHICAGO, Jan. 3.—Petroleum solvents and diluents are in fair demand at prices which for the most part show little change from the levels which have been in effect for a long period. Some price cutting persists, but it appears to be of no very great extent. Inquiries are holding up well. Ruling prices in tankcar lots are (Tankcar prices f.o.b. Group 3, Oklahoma):—Blending naphtha, 3¾c. to 4c. per pound; cleaners' naphtha, 6⅜c. to 6½c., tankcar; 17.5c., tankwagon; petroleum spirits, 5⅜c. to 5½c., tankcar; 16.2c., tankwagon; rubber solvent, 6⅜c. to 6½c., tankcar; lacquer diluent, 7⅜c. to 7½c.; Stoddard solvent, 5⅞c. to 6c., tankcar; 15.9c., tankwagon; v.m.&p. naphtha, 6⅜c. to 6½c., tankcar; 16.5c., tankwagon.

Lighter Fractions

The market for butanes, heptanes, and other light hydrocarbon fractions opened the first week of the new year with little activity. Price in all cases remained firm, although the demands on the market were slight.

Butanes.—No change in the status of this material was noted during the past week. The price remained firm with demand light. A level of 3¾c. per gallon for tankcar quantities of the 16-34 degree product continued in force at the Group 3 producing points.

Heptanes. — Conditions surrounding the market were unchanged in the course of last week. Scheduled prices were in force and sellers reported the movement of materials out of their hands was light.

Octanes.—Similar to others in this group the market for octanes showed nothing of unusual interest last week. The mixture held an even position with producers quoting 10½c. per gallon for the tankcar lots, f.o.b., group 3.

Petrolatums and Waxes

White Mineral Oils. — No price changes were reported and the market appeared to be in an undisturbed condition. Some producers reported an increase of inquiries but little spot business was in evidence. Total German production of mineral oil during the first 10 months of 1938 amounted to 3,335,115 barrels compared with 2,619,455 barrels during the corresponding period of 1937, an increase of 715,000 barrels.

Paraffin Waxes.—A slightly better movement is reported with most producers revealing a good increase in inquiries. Suppliers are adhering to full prices in anticipation of an early improvement in buying. Prices are steady. Scale waxes are meeting with a little more inquiry but comparatively few sales are reported.

Chicago, Jan. 3.—The refined petroleum wax business is slow and rather featureless, as was expected for this period. However, tone is being well maintained and orders have been of a routine nature, fairly substantial in the aggregate. Ruling prices are:—122-124, bags, 4c. to $4.05c. per pound; 125-127, 4.1c. to 4.15c.; 127-129, 4.45c. to 4.5c.; 120-132, 4.75c. to 4.8c.; 132-134, 5c. to 5.05c.

Petrolatum.—The tone of the market here was firm, with demand at a minimum. Producers do not look for much activity until later this month. The rumored advance in the price of the amber grade has failed to materialize and the carlot prices for amber grade remained at 2⅝c. to 2¾c. per pound.

Fuels and Lubricants

The Standard Oil Company of New Jersey advanced the price of heating, Diesel and gas oils in New York to provide the highlight for the past week. The local kerosene market was reported a shade firmer and demand was holding up well. All retail fuel oil prices were reported firmer, and a sharp increase over consumption in 1938 was hopefully anticipated. The gasoline market showed no new features, but evidenced the lapse in demand expected.

Market Conditions

Gasoline.—The market presented a quiet appearance last week. Prices appeared to remain without change except for tankwagon levels in two Southern States. With estimates that increased automobile buying will be seen in 1939, producers are looking forward to increased consumption during this year. Production of gasoline during the week ended December 31, 1938, was 9,274,000 barrels, according to reports from producers owning 84.6 percent of the nation's refining capacity. Stocks of finished and unfinished gasoline for the week ended December 31 were 71,695,000 barrels, compared with 69,959,000 barrels the previous week and 76,990,000 barrels for the week ended December 31, 1937.

Kerosene.—The consumption of kerosene was fairly satisfactory, with demand greatly increased from that of the week before. Price remained firm in New York at from 4¾c. to 4⅞c. per gallon for tankcar quantities of the water white material. Reports from New Haven state that the price there is soft, with some material being disposed of at as low as 6c. per gallon.

Fuel and Gas Oils.—The Standard Oil Company of New Jersey advanced the tankcar and barge prices for domestic heating oils Nos. 2 and 4, gas oil, Diesel oil for shore plants and standard industrial fuel oils ⅛c. per gallon. The new prices for heating oils in bulk will be 4¼c. per gallon, while 4c. will be the price for Diesel, gas and industrial oils. The price advance was not completely a surprise to the trade, as the market has been gaining strength steadily.

Lubricating Oils.—No change was reported in the tone of the Pennsylvania market. Producers, aware that the industry is overstocked, are planning operations on a larger scale.

Crude Oil Price Changes

The Bell Oil and Gas Company reduced the price of crude oil 12c. per barrel in the North Texas fields. Continued large refining losses caused by low prices for products was given as reason for the reduction.

Tankwagon Price Changes

The Standard Oil Company of New Jersey has increased the price of motor fuel by tankwagon to commercial consumers in North Carolina as follows:—50-149 gallons, 1c. over posted price; 150 gallons and over, 5c. over posted price; less than 50 gallons, 6c. over posted price. Price of motor fuel for delivery in South Carolina has been raised as follows:—less than 25 gallons, 6c. over posted price; 25-149 gallons, 1c. over posted price; 150 gallons and over, 5c. over posted price.

Markets at Other Centers

Chicago, Jan. 3.—The tankcar gasoline market is still quiet and dull, but has a considerable element of unsettlement in it. Prices are just about holding their own, on the whole but the market is quite spotty. Weather for the most part has been moderately favorable to gasoline consumption and for this reason the seasonal slump has been less pronounced than many observers thought it would be. Stocks seem not to be proving burdensome at this time, in most cases. Heating oils are unfavorably affected by the weather conditions, which have been unusually mild. The industrial gas oils and fuels are steadier now than recently. Lubricating oil moved comparatively well.

GASOLINE.—Low octane motor, 3⅝c. to 3⅞c. per gallon; 63-65 octane motor, 3⅞c. to 4⅛c.; 67-69 octane motor, 4⅛c. to 4⅜c.; 70-72 octane motor, 4⅜c. to 4⅝c.

KEROSENE.—42-44, water white, 4⅛c. to 4⅜c. per gallon; 41-43, water white, 3⅞c. to 4⅛c.

FURNACE OILS.—Range oil, 3¾c. to 4⅛c. per gallon; No. 1 white, 3⅝c. to 4c.; No. 1 straw, 3½c. to 3⅞c.; No. 2 straw, 3⅜c. to 3¾c.; No. 2 dark, 3¼c. to 3½c.; No. 3, 3¼c. to 3⅜c.; 32-36, dark, industrial gas oil, 2⅝c. to 2⅞c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

New Orleans, Jan. 3.—Domestic market quotations again reflected a steady trend during the past week, with no change in prices previously quoted. Foreign inquiries and exports showed a slight increase. U. S. motor gasoline was quoted at 5c.; U. S. motor below 62 octane at 5c.; 63-67 octane at 5¼c. and 68-70 octane at 5⅞c.—all prices being based on a per gallon rate at refinery.

Kerosene continued unchanged and was quoted at 7⅜c. per gallon at refinery.

Bunker C fuel oil remained steady and was quoted at 75c. per barrel at terminal and 80c. per barrel delivered alongside, while industrial plants in this vicinity were quoted at $1.36 per barrel delivered.

Outputs and Quotas

A comparison of Bureau of Mines calculations for December productions, State allowable quotas where they exist and the American petroleum Institute's estimate for crude production for the week ended December 31, follows:—

	*B. of M. calculated requirements (December).	State allowable Dec. 1.	Estimated output.
Oklahoma ..	500,700	428,000	421,900
Kansas	159,000	163,400	149,100
Texas 1,343,900		†1,724,020	1,280,300
Louisiana ..	248,000	247,580	254,250
Arkansas ...	51,600	‖52,000	49,700
Illinois	71,900	....	134,100
Eastern (not including Ill.)	97,100	....	89,550
Michigan ...	51,000	....	46,200
Wyoming ...	76,100	....	46,600
Montana ...	12,600	....	12,350
Colorado ...	3,900	....	3,950
New Mexico.	100,300	95,285	98,550
California ..	589,700	‡615,000	614,900
Total.....3,305,800		....	3,201,450

* These are Bureau of Mines' calculations of the requirements of domestic crude oil based upon certain premises outlined in its detailed forecast for the month of December. As requirements may be supplied either from stocks, or from new production, contemplated withdrawls from crude oil inventories must be deducted from the Bureau's estimated requirements to determine the amount of new crude to be produced.

† Base allowable effective December 12. With the exception of Saturday, December 17, shutdowns are ordered for all Saturdays and Sundays during December. Calculated not basic 7-day allowable for week ended Saturday morning, December 31, approximately 1,240,000 barrels daily.

‡ Recommendation of Central Committee of California Oil Producers.

‖ This is the November allowable. December allowable is not yet available.

Petroleum Production—Motor Fuel Stocks

	Barrels	
	Jan. 1-6 1939	1938
Commercial crude oil production	25,910,766	24,059,400
	Week ended Jan. 6, 1939	Week ended Jan. 6, 1938
Daily average production	3,318,461	3,429,600
	Week ended Dec. 31, 1938	Week ended Dec. 24, 1938
Estimated motor fuel stock total	71,695,000	69,959,000
Estimated finished motor fuel stock at refineries	40,940,000	39,833,000

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

The State of the Petroleum Market

There were no important changes in crude oil prices last week. The gasoline market was somewhat stronger.

	Jan. 3	Dec. 28	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.11	$1.11	$1.322
Gasoline prices at refineries (at four refining centers) per gallon	.0478125	.0484375	.0525

SHERWOOD'S PETROLATUMS
GUARANTEED QUALITY — ALL GRADES
SHERWOOD PETROLEUM COMPANY, INC.
REFINERY—WARREN PA. MAIN OFFICE—ENGLEWOOD, N.J

Scientific and Professional Services

Alexander, Jerome
Consulting Chemist and Chemical Engineer
Especial experience in colloid chemistry and its applications.
Representation for Patents, Processes, Products and Apparatus.
Research Advice, Investigations, Expert Testimony.
50 East 41st Street New York City
Member:—Association of Consulting Chemists and Chemical Engineers

CHAMBLISS, HARDEE, M.S., PH.D.
1715 Varnum Street, N.W., Washington, D. C.
CHEMIST: SPECIALIZING IN DRUGS AND COSMETICS
Assistance, Advice and Expert Testimony
Concerning Composition, Labeling and Advertising
After seventeen years residence in Washington as college professor and dean; also as part-time consulting, analytical and research chemist now gives entire time to problems arising from the new Federal Food, Drug and Cosmetic Act.
(Daily contact with the Food and Drug Administration, also with the Federal Trade Commission.)

Colorimetric and Spectrophotometic Analyses, Ultra-Violet Transmission and Absorption. Extinction Coefficient of Vitamin A Oils.
ETL Know-by Test
Accelerated Aging Tests of Paints, Electrical, Chemical and Physical Tests of Oils, Papers and Engineering Materials.
Certification and Witness Tests
ELECTRICAL TESTING LABORATORIES
East End Avenue at 79th Street, New York, N. Y.

Philip B. Hawk, Ph.D., Pres. Bernard L. Oser, Ph.D., Dir.
FOOD RESEARCH LABORATORIES, INC.
114 E. 32nd Street, New York
Research — Consultation — Testimony
FOODS — DRUGS — COSMETICS
SPECIALISTS IN VITAMINS
Members Association of Consulting Chemists and Chemical Engineers
Write for "Science at Your Service"

GOODMAN, REX, M.D.
Formerly Medical Officer, Drug Division Food and Drug Administration, Washington
Consultant
Labeling and Advertising of Drug Preparations, Cosmetics, etc., under the Federal Food and Drugs Act and Law Enforced by Federal Trade Commission
Cary - - - - - - - - - - Mississippi

Charles H. LaWall—1871-1937 Joseph W. E. Harrisson
LaWALL and HARRISSON
Pharmaceutical and Chemical Research. Biological Assays, Pharmacological Studies in association with Clinical Tests. Routine Drug and Food Control.
214 So. 12th Street Philadelphia, Pa.

Medical Division of
LAKE-SPIRO-COHN, Inc.
Memphis, Tennessee
A NATIONAL ADVERTISING AGENCY FOR OVER A QUARTER CENTURY
Specialized supervisory service on media advertising, labeling, collateral advertising, formula counsel, etc., for drugs and cosmetics within scope of Federal statutes. Under direction of M. A. Hodgson, M.D. (until recently Medical Officer, Food, Drug and Cosmetic Administration, U. S. Dept. of Agriculture, Washington).

Pease Laboratories, Inc.
CHEMISTS SANITARIANS BACTERIOLOGISTS
ANALYSTS SCIENTIFIC LIBRARY SERVICE
MEDICAL ADVERTISING AND TECHNICAL CONSULTANTS
39 West 38th Street . . . . . New York

Protect Your Ideas By PATENTS
Call or send me a sketch or simple model
WHAT IS YOUR INVENTION?
Z. H. Polachek — 1234 BROADWAY NEW YORK — PATENT ATTORNEY ENGINEER — CONFIDENTIAL ADVICE
Register Your TRADE MARKS
U. S. Pat. Off. records searched
ANY Invention or Trade Mark
FREE { CONSULTATION / LITERATURE
Phone LOngacre 5-3088

W. S. Purdy Co., Inc.
ANALYTICAL AND CONSULTING CHEMISTS
Petroleum Oils, Waxes, Greases, Soaps, Fuel Oils, Coal
Phone HAnover 2-3772
128 Water Street New York City, N. Y.

Sadtler, Samuel P., & Son, Inc.
Research and Analytical Chemists
CHEMICAL ENGINEERS
Patent and Legal Testimony
210 South 13th Street.....Philadelphia, Pa.
"Nothing Pays Like Research"

Barsky & Strauss, Inc.
Chemists and Chemical Engineers
202 East 44th Street
New York City
Telephone MUrray Hill 2-3689 Cable Address "Barstra"

BACTERIOLOGY
Research Routine
Industrial Medical
LELAND BROWN LABORATORIES
6316 Market St. Upper Darby, Pa.

Bureau of Chemistry
New York Produce Exchange
H. V. Travithick, Ph.B., B.S.
2 Broadway New York
Cottonseed Oil, Oils, Greases, Soaps, Turpentine, Glycerine, Cattle Feeds, Spices, Chemicals, etc.
Consultation—Research

Calvert, Robert
CHEMICAL PATENTS
Filing and Prosecuting Applications, Interferences, Validity and Infringement Reports. Trademarks.
50 East 41st Street New York

Michael J. Carpinello, Inc.
OFFICIAL and LICENSED SAMPLERS, WEIGHERS, and INSPECTORS
Members N. Y. Produce Exchange, Oil Trades Association of N. Y. Official Weighers, Inspectors and Samplers for the N. Y. Produce Exchange, the National Cottonseed Products Assn., the N. Y. Cocoa Exchange, Inc.
2 Broadway, New York Tel. BO. 9-8416

Collapsible Tube Filling
Ointments, Lubricants, Adhesives, Polishes, Cosmetics, Dental Creams, etc.
Your material or ours. Manufacturing facilities from 1 gross up. Complete packaging if you wish. Reasonable rates. Let us quote you.
Day Chemical Co. 460 Washington St.
Irving Biber, Ph.G. Newark, N. J.

Ellis-Foster Company
Established 1907
Research and Consulting Chemists
Specializing in Synthetic Resins and their Plastics and Related Subjects
4 Cherry Street Montclair, N. J.
Telephone—Montclair 2-3510

ANTI-KNOCK VALUE DETERMINATIONS
The Gray Industrial Laboratories
Chemists and Engineers
Specialists on Petroleum Products
961-976 Frelinghuysen Ave., Newark, N. J.
Telephone: Bigelow 3-4020

Hochstadter Laboratories, Inc.
Chemical Analyses, Consultants, Technical Experts, Investigations, Litigation.
Coals, Oils, Water, Foodstuffs, Gelatine, Beverages, Dairy Products, Confectionery, Drugs, Minerals, Textile Materials, etc.
Phone LOngacre 5-5360—5361
254 West 31st St. New York

DRAWBACK SPECIALISTS
Refunds of duty on materials used in exported products.
C. J. Holt & Co., Inc.
8-10 Bridge Street New York, N. Y.
Phone BOwling Green 9-6841

INDUSTRIAL CONSULTING LABS., Inc.
Consulting Chemists
Paints, Varnishes, Lacquers
128 Water Street HAnover 2-1980

Knight, B. H.
Analytical and Consulting Chemist
50 East 41st Street New York
OFFICIAL ANALYST
U. S. Shellac Importers Assoc.
Am. Bleached Shellac Mfrs. Assoc.

Laning Company, E. M., Inc.
Consulting Chemists
Specializing in Perfume, Toilet Preparations, Pharmaceuticals and Flavors Exclusively. Formulas Perfected, Problems Solved. Plants Equipped.
433 Stuyvesant Ave., Irvington, N. J.
Phone ES. 2-8433
E. M. Laning, B. Sc., President
Robert C. Pursell, Phar. D., V-Pres.

Miel, George A.
Analytical & Consulting Chemists
Specializing in the:
Physical and Chemical Analysis of Paints, Varnishes, Shellacs, and materials of the Paint Industry.
128 Water Street HAnover 2-9098

Molnar Laboratories
CHEMISTS and BACTERIOLOGISTS
Water, Oils, Foods, Drugs and Cosmetics; Special attention to Federal Food, Drug and Cosmetic Act; Toxicological Studies.
Nicholas M. Molnar, M.S., F.A.I.C.
Member Assn. Consulting Chemists
211 East 19th St. New York, N. Y.
GRamercy 5-1030

Munch, James C., Ph.D.
Consultant and Laboratory Service
Pharmacology and Bioassays
Bioassays, U.S.P. and other methods. Abstracts of the literature.
Pharmacological study of new drugs. Toxicity determinations.
Developments of new methods of assay.
6316 Market St., Upper Darby, Penna.

Orthmann Laboratories, Inc.
AUG. C. ORTHMANN, Director
Specialists in Leather and Allied Industries.
Consulting, Analytical and Research
647 W. Virginia Street,
Milwaukee, Wis.

Schwarz Laboratories, Inc.
Analysts — Biologists — Consultants
BEVERAGES, EDIBLE OILS
ESSENTIAL OILS, FOODS, WATER
202 East 44th Street New York, N. Y.
MUrray Hill 2-0007

Seil, Putt & Rusby, Inc.
H. A. Seil, Ph. D., Earl B. Putt, Ph. G., B. Sc.
SPR
Analytical and Consulting Chemists
Drugs, Spices, Essential Oils, Flavoring Extracts, Foods, Beverages.
Phone ASHland 4-4343.
16 East 34th St. New York City

ADHESIVE SPECIALIST
IRA I. SLOMON
For New and Original Ideas
L. I. City, N. Y.

Snell, Inc., Foster D.
CHEMISTS—ENGINEERS
Every form of chemical service.
305 Washington St. Brooklyn, N. Y.

Stillwell & Gladding Established 1868
Analytical and Consulting Chemists
Oils, Soaps, Fats, Paints, Varnishes, Drugs, Gums, Foods, Glycerine, Turpentine, Waxes, Spices, etc.
Member Association Consulting Chemists and Chemical Engineers
130 Cedar Street New York

COSMETICS CONSULTANT CHEMIST
Compounding - Development - Analysis
Serving the Cosmetic Industry in all problems concerning purity and quality of raw materials and finished products, efficiency of production and plant supervision.
Perry G. Vlacos
128 Water Street HAnover 2-9098

Vorce, L. D.
Chemical Engineer
Electrolytic Cells
Chlorine, Caustic, Hydrogen
20 Norman Road Montclair, N. J.
Telephone 2-4516

Weiss and Downs, Inc.
Chemical Engineers
SYNTHETIC PHENOL
50 East 41st Street
New York, N. Y.

Wiley & Co., Inc.
Analytical and Consulting Chemists
Specializing in analysis of beverages, fertilizers, phosphates, wood pulp, coal and coke, feeding materials, etc.
Calvert and Read Streets,
Baltimore, Md.

If Your Professional Card
were here others would be reading it now.
Send for rates.
Oil, Paint and Drug Reporter
59 John Street, New York

Okla Well Spacing Act Upheld by Supreme Court

OPD Washington Bureau
January 3, 1939

The well spacing act of Oklahoma was upheld by the United States Supreme Court today in a brief per curiam decision dismissing for want of jurisdiction an appeal brought by Russell B. Patterson against the Stanolind Oil & Gas Company and the Amerada Petroleum Corporation.

Acting under the law, the Oklahoma Corporation Commission directed that only one well be drilled on each ten-acre tract in the North Wellston Pool, with the result that part of Patterson's royalties went to the owners of part of the ten-acre tract on which his well was located. The Supreme Court of Oklahoma held that the law and its method of application do not violate the Federal contitution, and the Supreme Court of the United States accepted this finding.

Socony-Vacuum Oil Elects Four to Board of Directors

Four new members have been elected to the directorate of the Socony-Vacuum Oil Company, this city. Frederic Ewing, formerly vice-president in charge of Eastern operation, who retired from active service in the company for reasons of health a year ago, resigned as a director. The new members elected to the board are:—Wilbur F. Burt, chairman of the manufacturing committee; B. Brewster Jennings, assistant to the president; Lawrence B. Levi, chairman of the foreign trade committee, and Arthur T. Roberts, treasurer of the company.

Kettleman Oil Ass'n Wins Suit Against Four Companies

Los Angeles, Jan. 5, 1939

After twenty-six months of arguments, Superior Judge Minor Moore today handed down a decision in favor of the Kettleman North Dome Association of Central California in a suit, involving proceeds from oil production in the Kettleman North Dome, which was instituted by the Shell Oil Company, the Union Oil Company, the Belmont Oil Company, and the Petroleum Securities Company, protesting their exclusion from the association. The association contended that their exclusion was on the basis that their lands never could be productive. The plaintiffs argued that test wells should have been sunk to determine if the land was productive. The association is composed of a group of companies and individual leaseholders formed to provide an equitable distribution of proceeds in the Kettleman Hills area.

W. O. Beall, associate counsel of the Sinclair Prairie Oil Company, has been named president of the Osage Oil and Gas Lessees Association, succeeding Hayes McCoy, of Bartlesville. W. P. Z. German, of the Skelly Oil Company, is vice-president.

Grinding of Ores and Mineral Data Compiled by B. of M.

The crushing and grinding of ores and of such materials as cement clinker constitute one of the main items of expense in the processing of such material. The Bureau of Mines have brought together under one cover the results of years of study in both the field and the laboratory of this subject. This work, done in co-operation with the School of Mines and Metallurgy of the University of Missouri, Rolla, Mo., summarizes information gained from this extensive study. Particular attention is given to the factors involved in the use of rod, ball, and pebbles mills in fine grinding. For this type of grinding there are enough mills in the United States to account for approximately 50,000 connected horsepower.

This bulletin, entitled "Conclusions from Experiments in Grinding," by Will H. Coghill and Fred. D. DeVaney, may be obtained from the Missouri School of Mines and Metallurgy, Rolla, Mo.

Fertilizer Materials

Blood and Tankage Prices Advanced—Hoofmeal and Cottonseed Meal Strong—Heavy Demands from Midwest Feeders Reported —Superphosphate Output Running Behind 1937

Strengthening of the markets for dried blood, tankage and hoofmeal were the highlights of the opening week of the new year. The blood and tankage markets underwent abrupt increases in prices due to pressure from Midwestern feeders. Producers of plain fertilizer materials failed to feel the pressure and thus did not follow the price advances made by the producers of feed products.

In Atlanta the tone of the cottonseed meal market was strong. The scheduled advance in the price of sulphate of ammonia took place, while the year-end discounts on potash prices were rescinded. Firm market conditions continued to be noted in Chicago with inquiries kept up at a good rate. Blood, tankage, and bone materials all remained at a high level.

Total production of bulk superphosphate in the United States during November, 1938, was 326,794 tons, according to the Department of Commerce. The total production for the first 11 months of 1938 was 3,232,384 tons, compared with 3,985,786 tons during a similar period the year before. Total shipments of all superphosphates in the United States during last November were 143,814 tons. Shipments for the period January-November, 1938, totaled 2,545,081 tons, compared with 2,967,795 tons for the same period in 1937.

The municipality of Sofia, Bulgaria, was considering an offer by a Hungarian firm to erect a plant for the manufacture of fertilizer from the waste of the city. In Egypt, a plan for the improvement of the Alexandria Western Harbor by the construction of nitrate quays has been proposed. The necessity for the erection of these special quays has made itself felt by the steady increase in the importation of nitrates and other chemical fertilizers which assume an increasing importance in Egypt where agriculture plays the leading role in the economic life of the country.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Blood, dried, dom., N. Y., 5c. per unit-ton.
ground, Chicago, 10c. per unit-ton.
Tankage, dom., ground, 10c. per unit-ton.
unground, 10c. per unit-ton.
fertilizer grade, Chicago, 15c. per unit-ton.
feeding grade, Chicago, 25c. per unit-ton.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
66.3	66.3	66.3	66.7

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Nitrate of Soda.—Demand was normal with the price steady for this material. It was expected that withdrawals against contracts would increase in volume toward the end of this month.

Sulphate of Ammonia.—The first week of the new year did not change the status of this commodity. Demand was not heavy and the price remained firm.

Dried Blood.—The schedule was advanced in both New York and Chicago last week. In New York the price was raised 5c. to $3.30 per unit-ton, while in Chicago it was increased 10c. to a new level of $3.60 per unit-ton. The imported product, which was increased in price the week before, remained firm at $3-$3.10 per unit-ton.

Fish Scrap.—Production and demand from buyers were both light last week as far as this material was concerned. The price remained firm at the quoted levels.

Nitrogenous Material.—No changes were reported for the past week in regard to nitrogenous material. The price remained firm and demands on sellers were reported satisfactory.

Tankage.—Strong price advances were noted here last week in regard to the domestic product. Both the ground and unground material were raised 10c. in price to a level of $3.25 and 10c. per unit-ton. The fertilizer grade was increased 15c. in Chicago to $3.65 and 10c. per unit-ton, while the feeding grade there was advanced 25c. to $3.90 and 10c. per unit-ton. Heavy demands from Midwestern buyers were believed responsible for the increase.

Hoofmeal.—The tone of the market was very strong last week. Most producers offered material at the top price quoted for the week before. The price was changed from a level of $2.50-$2.65 per unit-ton to that of $2.65 per unit-ton. With the increase, demands on the market were reported unchanged.

Potashes

The market for agricultural potash salts continued in the smooth and quiet groove that it had occupied for the past several weeks. Little change in its position was expected by producers until the dressing season opens.

Phosphates

The local market continued firm and steady with a pick-up looked for later this month. The Tennessee Valley Authority said that during 1938 the experimental fertilizer works at Muscle Shoals achieved "technical advances in the processing of phosphorus-bearing ores into fertilizer materials with a high phosphorus content available to plants." Emphasis was placed on improvements in phosphate smelting, in the condensation of elemental phosphorous from the furnace gases, and in the production of phosphoric acid from both furnace gases and from elemental phosphorous.

The publicly-owned reserve of phosphate deposits in Tennessee was more than doubled. Nearly 67,000 tons of phosphate fertilizer material had undergone demonstration by individual farmers in 19 states at the close of the last fiscal year, and samples of TVA plant foods had been sent to state experiment stations in 38 states for test purposes.

Bone Materials.—The New York market continued in an unchanged position with the price firm and buying interest fair.

Superphosphates.—Very little material moved out of the seller's hands. No price changes were reported.

Sulphur and Pyrites

The market continued in a stagnant condition last week. Buyers were indisposed to make purchases although an increased demand is looked for in the near future. Research during 1938 found numerous new applications for sulphur, adding to the already long list of industrials and consumers' products in which sulphur enters during some stages of its manufacture. While individually none of these new or potential outlets may be expected to cause a marked increase in consumption, it is the annual aggregate of such developments upon which the industry owes its record of steady increase both in distribution and in magnitude of sulphur uses.

Markets at Other Centers

Atlanta, Jan. 3.—It is too early to feel the hoped-for improvement of fertilizer business expected with the first of the year, dealers in fertilizer materials state, but some improvement is looked for at an early date. Advances in western ammoniates, attributed to the feed trade, has strengthened the organic materials for fertilizers. Cottonseed meal has been moving upward in price. Sulphate of ammonia made the scheduled advance to $28 per ton at ports and ovens. With the beginning of the new year discounts on potash prices ended.

Quotations of this market on leading materials were as follows:—

SUPERPHOSPHATE.—$8 per ton, interior producing points.

NITRATE OF SODA.—Bulk, $24 per ton, port basis.

SULPHATE OF AMMONIA.—$28 per ton, ports.

COTTONSEED MEAL.—8 percent grade, $24.50 to $25 per ton, southeastern mills.

BLOOD.—$3.60 per unit, basis Chicago; foreign, $3 to $3.10, ports.

TANKAGE.—$3.65 and 10c. per unit, basis Chicago; foreign, ports, $3.10 and 10c.

NITROGENOUS.—$2.20 per unit, midwest; foreign, ports, $2.50.

Chicago, Jan. 3.—Firm market conditions continued to be noted in the general fertilizer situation. Inquiries kept up at a good rate through the year-end period, and there was also a fairly active scale of buying. Blood was able to hold up at the best levels in months, and sellers were able to obtain asked prices for such business that was done. Tankage was in fairly good demand, with supply not overly large. Bone materials were holding their own without difficulty.

BLOOD.—Principal grade, $3.50 to $3.60 and 10c. per unit of ammonia.

TANKAGE.—High grade, $3.90 and 10c.; hoof meal, $2.75 to $2.80; liquid stick, $2.20 to $2.25.

BONE MATERIALS.—Ground, steamed

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

DOMESTIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
REG. U.S. PAT. OFF.
MURIATE OF POTASH
62/63% K_2O
Also 50% K_2O
MANURE SALTS
Approximately 30% K_2O
UNITED STATES POTASH COMPANY
INCORPORATED
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

GENERAL SERVANT

The old time servant, who used to cook, wash dishes, mow the lawn, mind the baby, do odd jobs of painting and carpentering and hitch up the team when the family was in a hurry—all for $3.50 a week and keep — is only a memory in America today. But her counterpart exists for industry.

Sulphur, a common denominator of industrial activity, is a vital and inexpensive ingredient of countless manufacturing processes. This general servant of industry aids in the production of an ever-growing list of commodities.

The Freeport Sulphur Company meets 1939 with more than adequate supplies of 99.5 percent pure elemental sulphur ready for immediate distribution from its Texas and Louisiana mines.

FREEPORT SULPHUR COMPANY
122 East 42nd Street New York, N. Y.

bone, 1¼ and 60 percent, $19 to $21; 3 and 50 percent, $24 to $26; 4½ and 50 percent, $28 to $29; grinding hoofs, pigs' toes and waste horn materials, $35 to $45; cattle jaws, skulls and knuckles, $22 to $24; beef cracklings, soft pressed, $40 to $42.50; pork cracklings, soft pressed, $47.50 to $50; hard pressed cracklings, per unit of protein, 75c. to 80c.

BALTIMORE, Jan. 4.—It was to have been expected that the first week in the new year would see a continuation of the quiet which characterized the preceding fortnight or more, with too many uncertainties to trouble the members of the trade to bring out any considerable activity. Stocktaking and other details have since then claimed attention and will act as a brake upon transactions until these details are gotten out of the way and the buyers as well as the sellers of crude supplies have made a survey of the situation and arrived at some definite conclusions as to what may be expected. The prevailing quotations are about as follows:—

FISH SCRAP.—The North Carolina coast fish are small, so that the additions to the stocks of scrap were not of striking proportions. The ammoniate in carload lots is being quoted at $50 per ton at factory. Japanese sardine meal is reported to be firm, with offers light and the figures mentioned around $47 to $48.50 per ton for February-March shipment c.i.f. and with spot at $48 per ton. The California market for this ammoniate is reported to be slightly better, with $43 per ton quoted at West Coast points. The season has only a few weeks more to go and supplies are stated to be comparatively light for this time of the year. All indications are that the demand will improve and that prices will go higher.

TANKAGE.—This ammoniate is reported to be stronger, with the upward trend still continuing. Last sales of unground fertilizer material were made at $3.35 and 10c. per unit-ton.

BLOOD.—The market for this item has also strengthened in the last week even in the absence of a large demand, and domestic supplies are now being quoted at $3.30 per unit-ton, with South American stocks at $3 per unit-ton, c.i.f.

SUPERPHOSPHATE. — The producers continue to mention $7.50 per ton for run of pile and $8 per ton for 16 percent milled and screened stocks as the market, with the inquiry now held in suspension and with the factories evidently feeling that this is not the time to insist on advances because of higher production and crude material costs.

GARBAGE TANKAGE.—This ammoniate is stated to be without change at $8 per ton at shipping points, which brings the Baltimore price up to approximately $11 per ton—demand is light.

NITROGENOUS MATERIAL.—Though trading is at a low point for the present, the level of values continues to be steady around $2.50 per unit, and sellers show no disposition to offer concessions.

BONE.—Nothing happened during the week to cause any modifications in the market for this ammoniate, which was steady at $22.50 to $23 per ton for 3 and 50 ground steamed and at $27 per ton for 4½ and 50 ground raw stocks.

San Francisco, Jan. 3.—Chemical fertilizers, previously contracted, are finding their way in better fashion lately towards the agricultural districts, as last week buyers were ordering shipments forward. There also has been a little inquiry present for additional small tonnages, the trade states. The situation generally however, continues to remain quiet in the chemical line. Organics are still steady to strong and there was a healthy interest manifested in fish meal last week, with the price rising moderately. Tankage is in good tone and so are blood and bone materials. Recent statewide rains have had a beneficial effect on the market in some instances.

Ruling prices are:—

SULPHATE OF AMMONIA.—Quoted in 100-pound bags at $31.50 per ton, port basis, San Francisco and/or Los Angeles Harbor. Inland points, delivered, $1 per ton extra.

NITRATE OF SODA.—100-pound bags, $29 per ton, ex vessel or warehouse; 200-pound bags, $28.30 per ton ex vessel or warehouse.

SUPERPHOSPHATE.—Domestic superphosphate is quoted at 75c. per unit in bulk, f.o.b. producer's plant, San Francisco Bay. Bags, quoted at 85c. per unit. Foreign material nominal.

AMMONIA PHOSPHATE.—Quoted at $40 per ton, single bags, f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P.A. Inland points, delivered, $1 per ton extra. Eleven percent N. and 48 percent P.A. material quoted at $53 per ton, cars, port basis, and $1 per ton extra for delivery inland.

FISH MEAL.—California sardine meal is quoted on the basis of $43 per ton, f.o.b. cars, Monterey and San Francisco. The market is steady to strong.

TANKAGE.—Unground, fertilizer grade tankage, wet rendered, from domestic packing houses, quoted on the basis of $3.15 and 10c. per unit-ton, f.o.b. cars, San Francisco. High grade, quoted at $3.35 and 10c. per unit-ton. Dry rendered, ground, quoted at $37.50 per ton, f.o.b. cars; unground, dry rendered, quoted at 62½c. per unit of protein. The market is strong.

BLOOD MEAL.—Steady. Domestic blood meal is quoted on the basis of $2.80 per unit, f.o.b. cars, San Francisco.

BONE MEAL.—Domestic steamed bone meal, depending upon quality and seller, quoted at from $25 to $29 per ton, delivered Pacific Coast ports.

Pope of Phosphate Fame Nominated to TVA

—*Continued from page* 5

The report also discusses the work of the authority in cooperating with research institutions and farmers in experimenting with the use of highly concentrated fertilizers for soil conservation purposes.

Among other activities the Tennessee Valley Authority experimented in increasing the oil yield of cottonseed and reported that, by use of the pressure-cooking method, increased extraction of 10 pounds of oil per ton of seed could be obtained. Experiments were also conducted on a continuously operating humidifier to control the moisture content of cottonseed and on the use of the expeller process on seed treated in a pressure cooker.

Coopers Creek Chemical Assets Sold to New Corp.

The Coopers Creek Chemical Corporation, formed by Rollin C. Gere, has purchased the assets of the Coopers Creek Chemical Company, producer of coaltar and coaltar distillates, West Conshohocken, Pa., which company had been in existence for twenty-five years. Officers of the new corporation are:—President and treasurer, Rollin C. Gere; secretary, John B. Bowman.

Mr. Gere had investigated the possibilities of the Coopers Creek Chemical Company from June, 1938, when he resigned as production manager in charge of manufacturing in the roofing and dry-felt division of the United States Gypsum Company. Previous to joining the U. S. Gypsum in 1937, Mr. Gere had been vice-president, in charge of operations, treasurer and a member of the directorate of the W. & J. Sloane-Blabon Corporation.

He became identified with the Sloan-Blabon organization in 1931, when the floor covering division of Certain-teed Products Corporation, consisting of the Thomas Potter & Sons plant in Philadelphia and the Cook linoleum plant in Trenton, was merged with the George W. Blabon Linoleum Company, Philadelphia, and the W. & J. Sloan-Blabon Corporation. Mr. Gere had been plant manager of the floor covering division for Certain-teed organization from 1923 to 1931.

Following the merger in 1931, Mr. Gere was made division manager in charge of felt-base production, and elected a vice-president in 1933. Mr. Gere joined the Certain-teed organization in 1920 as assistant general purchasing agent in its main office, then located in St. Louis. Previous to becoming affiliated with the Certain-teed firm, Mr. Gere joined the E. M. Burr Company in 1915, the year of his graduation from college, resigning as secretary and general manager of the company in 1920.

Mr. Bowman had been associated with Mr. Gere for a number of years in his connection with the Sloane-Blabon Corporation.

Chemicals Used by Canadian Processors in 1937 Reported

Twenty-one plants in Canada making heavy chemicals as their chief products in 1937 reported production valued at $22,410,168. The cost, at works, of materials used in manufacturing by these plants was $6,008,977, a gain of approximately $1,300,000 over 1936. The following table shows the chemicals used in 1937 by the twenty-one plants constituting the acids, alkalis and salts industry:—

Summary of Industry

	Short tons.	Cost at works.
Acid, hydrochloric, 20° Be.	51	$2,470
Acid, nitric, 42° Be.	5	529
Acid, sulphuric, 66° Be.	3,500	58,310
Aluminum sulphate	143	5,035
Ammonia liquor, NH_3 basis	367	23,213
Ammonia, anhydrous	15	2,223
Calcium chloride	304	17,377
Chlorine, liquid	624	30,199
Potash, potassium caustic.	21	4,277
Pyrites	25,036	138,611
Soda carbonate	7,581	205,387
Soda chloride, dry, and brine (salt content)	237,777	383,549
Soda bichromate	11	1,907
Soda hydroxide	3,139	86,410
Soda nitrate	688	27,305
Soda silicate	4,846	134,315
Soda sulphate	8,005	113,054
Soda sulphide	51	2,953
Sulphur	21,329	403,511
Sulphur dioxide in smelter gases	....	42,900

Current Market Quotations

—*Continued from page* 19

Yellow—Zirconium

Yellow, oxide, nat., bbls., c.l., f.o.b. Bethlehem Easton, N. Y.	lbs.	.04½- —
l.c.l., same basis	lb.	.04¾- —
synth., bbls., c.l., works	lb.	.06¼- —
l.c.l., same basis	lb.	.04¾- —
Persian orange (see O).		
Zinc, bbls., same basis chrome CP. contracts	lb.	.18 - —
open order	lb.	.19 - —
Yellow dock root, bls.	lb.	.09 - .10
Yellow root (xanthorisa), bls.	lb.	.09 - .10
Yerba santa leaves, bls.	lb.	.06 - .06½
Yohimbine hydrochloride, vis.	oz.	2.50 - 2.55

Z

Zinc acetate, tech., bbls., dvld.,	lb.	.21 - —
USP, bbls., 250 lbs.	lb.	.27 - —
kgs., 100 lbs.	lb.	.29 - —
Arsenate, bgs., cs., c.l., dealers, E. of Rockies	lb.	.12½- —
c.l., bgs., cs.	lb.	.13 - —
E. of Rockies	lb.	.12½- —
W. of Rockies, bgs.	lb.	.12½- —
Arsenite, bgs., cs., c.l., dealers, l.c.l., bgs., cs.	lb.	.13 - —
W. of Rockies, bgs.	lb.	.12½- —
Zinc arsenate and arsenite prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck, allowance for plant or whse. pick-up.		
Carbonate, tech., bbls.	lb.	.14 - .15
USP, precip., powd., bbls.	lb.	.31 - —
dms.	lb.	.36 - —
kgs.	lb.	.33 - —
Chloride, fused, dms., c.l., works	100 lbs.	4.25 - —
l.c.l., works	100 lbs.	4.60 - —

Some New Books

Solvents

Solvents. By Thomas H. Durrans. Cloth; 238 pages, 5½ by 8½ inches. New York: D. Van Nostrand Company, $5.

This volume contains up-to-date information on the solvents employed in industry, both widespread and in specialized applications. Although comprehensive in its presentations, the author has kept it concise by avoiding overloading the text with matter of doubtful utility.

The first part of the book presents an intensive discussion of solvent theory. Among the subjects explained are solvent action, solvent power, plasticizing solvents, solvent balance, viscosity, vapor pressure, inflammability, and toxicity. The second part of the book is devoted to discussions of the various solvents themselves. In the latter portion are found data on the hydrocarbons, alcohols and their ethers, ketones, esters, glycols, cyclohexane derivatives, chloro-compounds, furfurals, and the plasticizing solvents.

A valuable compilation of solvent trade names, solubility tables, and plasticizer proportions is given in the appendices.

Concrete Manual

Concrete Manual. By the Bureau of Reclamation, U. S. Department of Interior. Cloth; 454 pages, 4½ by 7½ inches. Washington, D. C.; Bureau of Reclamation. $1.

A handbook of information, advice and instruction, the major part of the text of which is devoted to the exposition of the fundamental principles governing the production of concrete, the application of these principles in the selection, proportioning and mixing of concrete materials, and the handling, placing and curing of concrete projects.

California Minerals

Minerals of California. By Adolf Pabst. Cloth; 338 pages and index, 6¼ by 9¼ inches. San Francisco: State Division of Mines. $1.75.

Over 400 natural minerals, not including varieties, are briefly described and the localities in California in which they are found are given in this volume. The bulletin is a revision of earlier works with the same title and supersedes the last previous publication, which appeared in 1923.

Commencing with a presentation of information on the various native metals found in California, such as gold, silver, sulphur, arsenic, and antimony, the volume goes on with data concerning the innumerable sulphides, haloids, oxides, carbonates, borates, nitrates, and silicates of metals.

A glossary of mineralogical terms and a bibliography of articles dealing directly with minerals of the State complete the volume.

gran., dms., c.l., works, 100	lbs.	5.00 - —
l.c.l., dms., works.	100 lbs.	5.75 - —
USP, 200-lb. dms.	lb.	.25 - —
25-lb. jars.	lb.	.31 - —
solut., dms., wks.	lb.	.04½- —
tanks	lb.	.0226- —
Cyanide, kgs., works.	lb.	.33 - —
Dust, bbls., c.l., dlvd.	lb.	.06½- —
l.c.l., bbls., dlvd.	lb.	.07 - —
Fluoride, bbls.	lb.	.20 - .25
Iodide, N.F., bots.	lb.	4.35 - —
jars	lb.	4.20 - —
Metal (see daily quotations in Market report)		
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd.	lb.	.06¼- .07½
l.c.l., dlvd., except Pac. cst.	lb.	.06½- .07¾
ex whse., Pac. cst.,	lb.	.06½- .07¾
bbls., c.l., dlvd.	lb.	.06½- .07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- .08
ex whse., Pac. cst.	lb.	.06¾- .08
leaded, 5%, bgs., c.l., dlvd.	lb.	.06¼- —
l.c.l., dlvd., except ex whse., Pac. cst.	lb.	.06¾- —
bbls., c.l., dlvd.	lb.	.06¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cst.	lb.	.06¾- —
35% bgs., c.l., dlvd.	lb.	.06 - —
l.c.l., dlvd., except Pac. cst.	lb.	.06¼- —
ex whse., Pac. cst.	lb.	.06¼- —
bbls., c.l., dlvd.	lb.	.06⅛- —
l.c.l., dlvd., except Pac. cst.	lb.	.06½- —
ex whse., Pac. cst.	lb.	.06½- —
50%, bgs., c.l., dlvd., except Pac. cst.	lb.	.0606- —
Pac. cst.	lb.	.0612 - —
l.c.l., dlvd., except Pac. cst.	lb.	.0631- —
ex whse., Pac. cst.	lb.	.0631 - —
bbls., c.l., dlvd.	lb.	.0631- —
l.c.l., dlvd., except Pac. cst.	lb.	.0656 - —
ex whse., Pac. cst.	lb.	.0656 - —
French process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.06¼- .07½
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- .07¾
ex whse., Pac. cst.	lb.	.06¾- .07¾
bbls., c.l., dlvd.	lb.	.06¾- .07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- .08
ex whse., Pac. cst.	lb.	.06¾- .08
green seal, bgs., c.l., dlvd.	lb.	.08 - —
l.c.l., dlvd., except Pac. cst.	lb.	.08¼- —
ex whse., Pac. cst.	lb.	.08¼- —
bbls., c.l., dlvd.	lb.	.08¼- —
l.c.l., dlvd., except Pac. cst.	lb.	.08¼- —
ex whse., Pac. cst.	lb.	.08½- —
red seal, bgs., c.l., dlvd.	lb.	.07½- —
l.c.l., dlvd., except Pac. cst.	lb.	.07¾- —
ex whse., Pac. cst.	lb.	.07¾- —
bbls., c.l., dlvd.	lb.	.07¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.08 - —
ex whse., Pac. cst.	lb.	.08 - —
white seal, bgs., c.l., dlvd.	lb.	.08½- —
l.c.l., dlvd., except Pac. cst.	lb.	.08¾- —
ex whse., Pac. cst.	lb.	.08¾- —
bbls., c.l.	lb.	.08¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.09 - —
ex whse., Pac. cst.	lb.	.09 - —
import, gold seal, cks., ex whse.	lb.	.12 - .14
green seal, bbls., ex whse.	lb.	.10 - —
white seal, cks., ex whse.,	lb.	.11 - .12¼
USP, bbls., c.l.	lb.	.09¼- —
Palmitate, bbls.	lb.	.23 - .25
Resinate, fused, pale, bbls.	lb.	.10 - —
precip., dms., dlvd.	lb.	.15 - —
Stearate, tech., precip., bbls., ctns., c.l.	lb.	.20 - —
l.c.l., 1 ton.	lb.	.21 - —
1,000-2,000 lbs.	lb.	.23 - —
less than 1,000 lbs.	lb.	.23 - —
U.S.P., bbls.	lb.	.21 - .23
Sulphate, cryst., bgs., c.l.	100 lbs.	2.75 - —
l.c.l.	100 lbs.	2.50 - —
bbls., c.l.	100 lbs.	2.90 - —
l.c.l.	100 lbs.	3.05 - —
flake, bgs., c.l.	100 lbs.	3.10 - —
l.c.l.	100 lbs.	3.25 - —
bbls., c.l.	100 lbs.	3.25 - —
l.c.l.	100 lbs.	4.00 - —
l.c.l.	100 lbs.	5.10 - —
bbls., c.l.	100 lbs.	4.50 - —
l.c.l.	100 lbs.	5.25 - -
Sulphide, bgs., c.l. (20 tons), dlvd.	lb.	.07¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.08⅛- —
bbls., c.l. (20 tons), dlvd.	lb.	.08⅛- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.08¾- —
Sulphocarbolate, NF, bbls.	lb.	.24 - .26
Zinc-ammonia chloride, dms., c.l., works.	100 lbs.	5.15 - —
l.c.l., works.	100 lbs.	5.50 - -
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.05 - —
l.c.l., dlvd., except Pac. cst.	lb.	.05½- —
ex whse., Pac. ct.	lb.	.05½- —
Zirconium nitrate, kgs., works.	lb.	3.00 - 4.00
Oxide, crude, 73-75%, grd., bbls., works.	ton.	75.00 -100.00
kgs., small lots, works.	lb.	.04¼- .04½
white, 98%, rgd., kgs., works,	lb.	1.40 - 1.52

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the January 2 issue; the next printing will be in the February 6 issue. Changes in prices—it any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 31.

Shipping Information

All matter under this heading fully protected by copyright

Imports at U.S. Ports

New York Imports

ACID, CHROMIC—5 dms, Noordam, Rotterdam
COALTAR—68 dms, Merck & Co, Consuelo, Hull
CRESYLIC—40 dms, Merck & Co, Consuelo, Hull
200 dms, Cameronia, Glasgow
12 dms, 1 cs, Crowley Tar Prod Co, Andania, Liverpool
80 dms, Monsanto Chem Co, Andania, Liverpool
GALLIC—12 cks, D C Andrews & Co, President Roosevelt, Hamburg
HYDROFLUOSILICIC—240 crbys, Hamburg, Hamburg
STEARIC—267 bgs, Orbis Product Corp, Andania, Liverpool
ALBUMEN, BLOOD—12 cs, American Cyanamid & Chem Co, President Roosevelt, Hamburg
DUCK—22 cs, H Baron & Co, Tai Ping Yang, Shanghai
34 cs, T M Duche & Sons, Tai Ping Yang, Shanghai
ALMOND MEAL—1 cs, Ungerer & Co, Franconia, Southampton
ALOE—99 cs, Brown Bros, Harriman Co, American Trader, London
ALUMINUM FOIL—102 cs, F P Gaskell & Co, Hamburg, Bremen
34 cs, Globe Shipping Co, Hamburg, Hamburg
AMMONIA SULPHATE—500 bgs, Bradley & Baker, Noordam, Rotterdam
ANISE—50 bgs, Exchange, Bourgas
ANTIMONY ORE—5 cs, Tai Ping Yang, Hongkong
OXIDE—2 pkgs, Wah Chang Trading Corp, Tai Ping Yang, Hongkong
REGULUS—80 kgs, Jean Jadot, Antwerp
100 cs, Tai Ping Yang, Hongkong
ARECANUT—50 bgs, S B Penick & Co, Silverpine, Colombo
ARSENIC, LEAD—20 cs, Ore & Chem Corp, Hamburg, Hamburg
ARTIST'S MATERIAL—4 cs, Winsor & Newton, American Trader, London
ASBESTOS—100 bgs, Gerhard & Hey, Blommersdijk, Rotterdam
24 bls, City of New York, Lourenco Marques
4,800 bls, Raw Asbestos Distr Co, City of New York, Beira
1 cs, Johns Manville Corp, City of New York, Capetown
150 bgs, Union Asbestos & Rubber Co, City of New York, Capetown
200 bgs, Standard Bank of South America, City of New York, Capetown
ASPHALT—400 bgs, A V Berner & Co, Seatrain New York, Havana
MINERAL—2 cs, 3 dms, California Texas Oil Co, City of New York, Capetown
320 bgs, Central Com'l Co, Seatrain New York, Havana
BARIUM HYDRATE—1 cs, H Sundheimer, American Trader, London
BARYTES—2 cars, F E Schundler Co, Seatrain New York, Havana
BAY RUM—56 bbls, Bull Insular Line, Manuela, San Juan
BRISTLES—6 cs, Chesnut, Cooper & Co, President Roosevelt, Southampton
11 cs, Jean Jadot, Antwerp
18 cs, American Trader, London
2 cs, S Hirshenhorn & Son, American Trader, London
5 cs, F H Cone & Co, American Trader, London
2 cs, M Broverman & Son, American Trader, London
38 cs, S Hirshenhorn & Son, Tai Ping Yang, Hongkong
50 cs, N Wagman Co, Tai Ping Yang, Hongkong
109 cs, Tai Ping Yang, Hongkong
9 cs, F H Cone & Co, Tai Ping Yang, Kobe
25 cs, B C Ritchie & Co, Tai Ping Yang, Hongkong
50 cs, F H Cone & Co, Tai Ping Yang, Hongkong
88 cs, Tai Ping Yang, Hongkong
50 cs, Philadelphia Natl Bank, Tai Ping Yang, Shanghai
3 cs, F H Cone & Co, Independence Hall, Havre
BRONZE POWDER—10 dms, J T Coates, Hamburg, Bremen
1 cs, Globe Shipping Co, Hamburg, Bremen
CANARY SEED—50 bgs, Hinton & Co, Exchange, Istanbul
CARAWAY SEED—100 bgs, 11,000 lbs, M Witsenburg, Blommersdijk, Rotterdam
100 bgs, 11,000 lbs, Levy & Levis Co, Blommersdijk, Rotterdam
100 bgs, 11,000 lbs, Jewitt & Sherman, Blommersdijk, Rotterdam
100 bgs, 11,000 lbs, A G Dunn, Noordam, Rotterdam
100 bgs, 11,000 lbs, Catz American Co, Noordam, Rotterdam
100 bgs, 11,000 lbs, Levy & Levis Co, Noordam, Rotterdam
100 bgs, 11,000 lbs, Archibald & Kendall, Noordam, Rotterdam
100 bgs, 11,000 lbs, R L Friedler, Noordam, Rotterdam
100 bgs, 11,000 lbs, M Witsenburg, Noordam, Rotterdam
100 bgs, 11,000 lbs, Black Diamond Seed Corp, Noordam, Rotterdam
398 bgs, 43,780 lbs, B H Old & Co, Noordam, Rotterdam
CAROB—40 bgs, Ida, Bari
BEANS—19 cs, Chase Natl Bank, Executive, Thessalonika
CASSIA—168 bls, A G Dunn, Tai Ping Yang, Hongkong
ROLLS—200 bls, I Harrison & Whitney, Tai Ping Yang, Hongkong
300 bls, O Gerdau Co, Tai Ping Yang, Hongkong
CASTOR BEANS—1,700 bgs, Baker Castor Oil Co, Mormacsul, Pernambuco
1,700 bgs, Spencer Kellogg & Sons, Mormacsul, Pernambuco
3,400 bgs, L Dreyfus & Co, Mormacsul, Pernambuco
6,800 bgs, Mormacsul, Pernambuco
CHALK, BLOCK—500 tons, Independence Hall, Dunkirk
COMMON—1,600 bgs, R L Watkins Co, American Trader, London
CHAMOIS SKINS—1 cs, Keshishian Co, President Harding, Havre
7 cs, President Harding, Havre
CHAMOMILE FLOWERS—35 cs, Ida, Trieste
CHEMICAL — 1,016 bgs, Advance Solvents & Chem Co, Hamburg, Hamburg
100 bgs, Sherka Chem Co, Hamburg, Hamburg
10 cs, R D Heins, Hamburg, Hamburg
CHEMICALS—7 bbls, National City Bank, Hamburg, Hamburg
10 cs, Schimmel & Co, Hamburg, Hamburg
40 cks, 1 cs, Jungmann & Co, Hamburg, Hamburg
4 cs, Akatos, Inc, Hamburg, Hamburg
5 cs, Carbic Color & Chem Co, Hamburg, Hamburg
16 cs, Byk, Inc, Hamburg, Hamburg
53 dms, Hamburg, Hamburg
10 dms, Pfaltz & Bauer, Hamburg, Bremen
20 cks, 1 cs, Hamburg, Bremen
29 cks, 11 cs, 5 dms, Blommersdijk, Rotterdam
40 bgs, Jungmann & Co, Blommersdijk, Rotterdam
2 cs, Merck & Co, Borinquen, San Juan
48 dms, Richard Chem Works, Noordam, Rotterdam
12 dms, 10 cs, Noordam, Rotterdam
20 dms, Chemical Marketing Co, Noordam, Rotterdam
4 cs, Davies, Turner & Co, Noordam, Rotterdam
6 cs, Advance Solvents & Chem Co, Noordam, Rotterdam
11 cks, 2 cs, Noordam, Rotterdam
1 pkg, General Dyestuff Corp, Noordam, Rotterdam
1 cs, A Moschmeyer, Noordam, Rotterdam
150 bgs, Philipp Bros, Jean Jadot, Antwerp
100 bgs, Innis, Speiden & Co, Jean Jadot, Antwerp
3 cs, Yardley & Co, American Trader, London
1 cs, Stone & Downer, Independence Hall, Dunkirk
30 cks, Barfleur, Havre
1 cs, Guaranty Trust Co, Barfleur, Havre
PHOTO—1 cs, Heemsoth-Kerner Corp, President Roosevelt, Hamburg
CHROME ALUM—3 bbls, President Roosevelt, Hamburg
ORE—1,752 tons, 7 cwt, 3 qtrs, 22 lbs, E J Lavino & Co, City of New York, Lourenco Marques
CINCHONA BARK — 130 bls, New York Quinine & Chem Works, Blommersdijk, Rotterdam
PRODUCTS—100 dms, R W Greeff & Co, Noordam, Rotterdam
CINNABAR—2 bbls, 3 cs, A Hurst & Co, Exchange, Leghorn
CINNAMON QUILL — 25 bls, Malabar, Colombo
CLOVES—250 bls, City of New York, Zanzibar
COALTAR DERIVATIVES—3 dms, General Aniline Works, Blommersdijk, Rotterdam
INTERMEDIATES—146 dms, 17 cks, General Aniline Works, Blommersdijk, Rotterdam
1 ck, 5 tins, General Dyestuff Corp, Blommersdijk, Rotterdam
37 cks, General Aniline Works, Noordam, Rotterdam
13 cks, 14 jugs, General Dyestuff Corp, Noordam, Rotterdam
COCOA BEANS—2,400 bgs, Curacao Trading Co, Borinquen, Trujillo
3,169 bgs, Noordam, Rotterdam
75 bgs, Struller & Wood, Medea, Jeremie
230 bgs, Schutte & Focke, Medea, Jeremie
100 bgs, Gillespie & Co, Medea, Jeremie
1,800 bgs, Curacao Trading Co, San Jacinto, Macoris
900 bgs, Curacao Trading Co, San Jacinto, Sanchez
250 bgs, W R Grace & Co, Santa Clara, Guayaquil
200 bgs, W R Grace & Co, Santa Clara, Manta
150 bgs, Scholtz & Co, Santa Paula, La Guaira
65 bgs, Transmarine Mercantile Corp, Santa Paula, Cape Haitien
1,524 bgs, Machado & Co, Leif, Trujillo
200 bgs, Geck Trading Co, Leif, San Pedro
1,000 bgs, Wessel Kulenkampf & Co, Leif, San Pedro
2,700 bgs, Machado & Co, Leif, San Pedro
100 bgs, Wood & Selick, Fort Townshend, Trinidad
COCONUT, DESIC—357 cs, Philippine Desic Coconut Corp, Tai Ping Yang, Zamboanga
670 cs, Balfour, Guthrie & Co, Tai Ping Yang, Manila
3,943 cs, 3,569 bgs, General Food Corp, Tai Ping Yang, Manila
2,756 cs, Durkee Famous Food, Tai Ping Yang, Manila
800 cs, Wilbur Ellis Co, Tai Ping Yang, Davao
548 cs, Philippine Desic Coconut Corp, Tai Ping Yang, Zamboanga
1,853 cs, Wood & Selick, Tai Ping Yang, Manila
1,234 cs, Dodwell & Co, Tai Ping Yang, Manila
COCONUTS—5 bgs, N M Church, Manuela, Mayaguez
312 bgs, General Food Corp, Manuela, Mayaguez
556 bgs, General Food Corp, Manuela, San Juan
32 bgs, Universal Import & Export Co, Puerto Rico, Mayaguez
491 bgs, I L Toledano Corp, Ancon, Cristobal, Kingston
240 bgs, Universal Import & Export Co, Talamanca, Kingston
1,000 bgs, General Food Corp, Talamanca, Kingston
COLORS—8 dms, C J Osborn & Co, Blommersdijk, Rotterdam
10 dms, Stanley Doggett, Blommersdijk, Rotterdam
2 cs, Lunham & Reeve, President Harding, Havre
20 cks, Kentler Bros, Gerolstein, Antwerp
11 pkgs, Calco Chem Co, Mexico, Vera Cruz
EARTH — 00 cks, American Dyewood Co, Hamburg, Hamburg
CORIANDER SEED—100 bgs, Jewett & Sherman, Executive, Casablanca
CORK—20 bls, Simmons & Grey, Executive, Casablanca
WASTE—1,935 bls, Executive, Casablanca
964 bls, Manufacturers Trust Co, Gran, Lisbon
1,460 bls, Armstrong Cork Co, Gran, Lisbon
WOOD—150 bls, Wicander & Co, Executive, Bone
25 bls, Atlantic & Pacific Mfg Co, Executive, Bone
75 bls, Executive, Bone
455 bls, Chase National Bank, Gran, Lisbon
744 bls, Gran, Lisbon
45 bls, Armstrong Cork Co, Gran, Lisbon
COTTON LINTERS—635 bls, Mormacsul, Santos
CRESOL—20 kgs, Monsanto Chem Co, Andania, Liverpool
CUBE ROOT—46 bgs, 1 cs, Astoria Import & Mfg Co, Santa Clara, Callao
CUDBEAR—1 ck, Andania, Liverpool
DEXTRIN—50 bgs, American Cyanamid & Chem Co, Blommersdijk, Rotterdam
11 bgs, Noordam, Rotterdam
DI-AMMONIA PHOSPHATE—181 bgs, Synthetic Nitrogen Product Corp, Hamburg, Hamburg
DRUGS—4 cs, E S Ullmann Allied Co, Santa Clara, Callao
34 cs, Chase National Bank, American Trader, London
DYES, ALIZARIN—15 cks, General Dyestuff Corp, Blommersdijk, Rotterdam
44 cks, 3 jugs, General Dyestuff Corp, Noordam, Rotterdam
ANILIN—71 kgs, 3 cans, 1 cs, Carbic Color & Chem Co, Hamburg, Hamburg
9 cks, General Dyestuff Corp, Hamburg, Hamburg
1 cs, General Aniline Works, Blommersdijk, Rotterdam
4 dms, L & H Organic Prod Co, Blommersdijk, Rotterdam
88 cks, 1 cs, General Dyestuff Corp, Blommersdijk, Rotterdam
22 cans, 2 cs, 1 ck, Ciba Co, President Harding, Hamburg
93 cks, 1 cs, General Dyestuff Corp, Noordam, Rotterdam
2 cks, Geigy Co, Andania, Liverpool
FERROMANGANESE — 125 cks, President Harding, Havre
FERTILIZER, NITRATE PHOSPHATE — 800 bgs, Synthetic Nitrogen Product Corp, Pennland, Antwerp
FILTER, MASS—100 bls, A W Fenton & Co, Hamburg, Bremen
PAPER—1 cs, President Roosevelt, Hamburg
10 cs, H Reeve, Angel & Co, American Trader, London
FLAXSEED—3,552,085 kilos, 142,083 bus, Archer-Daniels-Midland Co, Mormacsul, Rosario
5,530 tons, 221,200 bus, Archer-Daniels-Midland Co, Ravnaas, Rosario
823 tons, 32,920 bus, Archer-Daniels-Midland, Ravnaas, Buenos Aires
FULLER'S EARTH—460 bgs, 101,200 lbs, L A Salomon & Bros, American Trader, London
GELATIN—60 cs, Dingelstedt & Co, Hamburg, Bremen
40 bbls, 10 kgs, 10 dms, R D McLellan, Blommersdijk, Rotterdam
POWDERED — 1 cs, International Selling Corp, Gerolstein, Antwerp
16 dms, 15 kgs, 50 bbls, R D McLellan, Noordam, Rotterdam
SHEET—10 cs, Gerolstein, Antwerp
1 cs, International Selling Corp, Pennland, Antwerp
GLASS, PLATE—3 cs, C Happel, Hamburg, Hamburg
101 cs, Globe Shipping Co, Hamburg, Hamburg
36 cs, A Bendheim Co, President Roosevelt, Hamburg
8 cs, Brown Bros Harriman Co, Jean Jadot, Antwerp
SHEET—1,000 cs, Gerolstein, Antwerp
30 cs, Jean Jadot, Antwerp
WINDOW—87 cs, Gerolstein, Antwerp
1,200 cs, National City Bank, Gerolstein, Antwerp
2,021 cs, Vitrea Co, President Roosevelt, Hamburg
1,549 cs, Jean Jadot, Antwerp
20 cs, Leo Popper & Son, Cameronia, Glasgow
11 cs, Leo Popper & Son, Andania, Liverpool
30 cs, Pennland, Antwerp
60 cs, Langloz & Co, Exchange, Leghorn
GLUE—2 dms, Hamburg, Hamburg
200 bgs, Santa Clara, San Antonio
50 bgs, Gallagher & Ascher, Andania, Liverpool
GLYCERIN—20 dms, Mormacsul, Buenos Aires
1 car, Colgate-Palmolive-Peet Co, Seatrain New York, Havana
GREASE, SEWAGE—50 dms, Hummel Chem Co, Andania, Liverpool
WOOL—6 bbls, Innis, Speiden & Co, President Roosevelt, Hamburg
5 bbls, Robinson Wagner Co, Andania, Liverpool
50 bbls, Hummel Chem Co, Andania, Liverpool
62 dms, Andania, Liverpool
GUM—50 cs, W Zakon & Son, Manuela, San Juan
ARABIC—100 bgs, Frank Vliet Co, Malabar, Port Sudan
200 bgs, Malabar, Port Sudan
CHICLE—11 bls, Chicle Development Co, Talamaca, Kingston
COPAL—300 bgs, Gerolstein, Antwerp
100 bgs, G W S Patterson & Co, Jean Jadot, Antwerp
40 bgs, Stroock & Wittenburg, Jean Jadot, Antwerp
120 bgs, France, Campbell & Darling, Jean Jadot, Antwerp
40 bgs, W H Scheel, Jean Jadot, Antwerp
20 bgs, S Winterbourne & Co, Jean Jadot, Antwerp
DAMMAR—50 cs, W H Scheel, Silverpine, Singapore
100 cs, Stroock & Wittenburg, Silverpine, Singapore
KAURI—75 cs, Stroock & Wittenburg, Kaimata, Auckland
MYRRH—10 cs, J C Anderson, Malabar, Aden
SANDARAC — 37 bbls, S B Penick & Co, Executive, Casablanca
TRAGACANTH — 50 bgs, 35 cs, American Trader, London
VEGETABLE — 15 bgs, Silk Finishing Co, Andania, Liverpool
GYPSUM—200 bgs, Hammill & Gillespie, Consuelo, Hull
621 bgs, Whittaker, Clark & Daniels, Consuelo, Hull
5 cks, American Trader, London
306 bgs, L A Salomon & Bros, Andania, Liverpool
HERBS, MEDICINAL—18 bls, S B Penick & Co, Gerolstein, Antwerp
20 bls, Peek & Velsor, Gerolstein, Antwerp
128 cs, Chase National Bank, President Roosevelt, Hamburg
5 bgs, New York Trust Co, President Roosevelt, Hamburg
POWDERED—2 cs, Ungerer & Co, Franconia, Southampton
HOPS—110 bls, Bode & Voigt, Hamburg, Hamburg
10 bls, Hamburg, Hamburg
80 bls, R F Downing & Co, President Roosevelt, Hamburg
23 bls, President Roosevelt, Hamburg
81 bls, S S Steiner, Jean Jadot, Antwerp
8 bls, Atlantic Forwarding Co, Barfleur, Havre
HOREHOUND EXTRACT—2 cs, W J Bush & Co, Franconia, Southampton
INDIGO—2 cks, General Dyestuff Corp, Blommersdijk, Rotterdam
IRON, ORE—2 bgs, T G Baragwanath, Castilla, Havana
OXIDE—100 cks, Scott L Libby & Co, Blommersdijk, Rotterdam
20 cks, Reichard-Coulston, Noordam, Rotterdam
40 cks, J Lee Smith & Co, Andania, Liverpool
2 cks, 4 cs, Landers Segal Color Co, Andania, Liverpool
10 cks, 45 bgs, Whittaker, Clark & Daniels, Andania, Liverpool
JUNIPER BERRIES—50 bgs, Knickerbocker Mills Co, Exchange, Leghorn
75 bgs, Exchange, Leghorn
KOLA NUTS—100 bgs, D Steengrafe, Talamanca, Kingston
LAUREL LEAVES—168 bls, R J Gates, Executive, Piraeus
LEAVES, MEDICINAL—11 bls, R J Prentiss & Co, Exchange, Leghorn
53 bls, Ida, Trieste
LIME JUICE—3 hhd, Fort Townshend, Dominica
MAGNESIA, CALCINED—15 cs, Schofield, Donald Co, Andania, Liverpool
CARBONATE—10 cks, 250 bgs, 150 cs, Schofield, Donald Co, Andania, Liverpool
MAGNESITE, CALCINED—30 dms, 25 bgs, Speiden, Whitfield & Co, Noordam, Rotterdam
MANGROVE BARK—2,761 bls, Hammond & Carpenter, City of New York, Durban
1,100 bls, City of New York, Mombasa
EXTRACT—550 bls, 100 bgs, Tannin Corp, City of New York, Durban
5,924 bgs, Philippine Cutch Corp, Tai Ping Yang, Zamboanga
1,000 bgs, Silverpine, Singapore
MATCHES, SAFETY—175 tins, Pennland, Antwerp
MEDICINAL PREPS—10 cs, Burroughs, Wellcome & Co, American Trader, London
MENTHOL—4 cs, Allondon Bayonne Co, Hamburg, Hamburg
10 cs, Theo Seltzer, Barfleur, Havre
MICA—58 cs, Gillespie Rogers Pyatt Co, Malabar, Calcutta
30 cs, Guaranty Trust Co, Malabar, Calcutta
1 cs, A O Schoemaker Insulation Co, Independence Hall, Havre
BLOCK—20 cs, Irving Trust Co, Malabar, Calcutta
DISCS—4 cs, Irving Trust Co, Malabar, Calcutta
SPLITTINGS—32 cs, Malabar, Calcutta
MOLASSES—550,000 gls, Chase Natl Bank, Castana, Cienfuegos
339,000 gls, Commi Molasses Corp, Castana, Cienfuegos
NAPHTHALENE—1 cs, Goudrand Shipping Co, Independence Hall, Havre
NUTMEGS—146 bgs, Noordam, Rotterdam
75 bgs, Thomas Scott & Co, Fort Townshend, Grenada
50 bgs, Barclay Bank, Fort Townshend, Grenada
OESER FOIL—3 cs, Globe Shipping Co, Hamburg, Hamburg
OIL, ANISE—10 dms, Aries, Inc, Tai Ping Yang, Haiphong
BAY—10 cs, Manuela, Arroyo
10 cs, Barclay Bank, Fort Townshend, Dominica
10 cs, Royal Bank of Canada, Fort Townshend, Dominica
8 cs, Fort Townshend, Dominica
CASSIA—5 dms, Geo Lueders & Co, Tai Ping Yang, Hongkong
COD—61 cks, 75 bbls, Bowring & Co, Fort Amherst, St John's
20 bbls, Thomas Scott & Son, Fort Amherst, St John's
150 dms, President Harding, Hamburg
100 dms, Kachurin Drug Co, President Roosevelt, Hamburg
CODLIVER—4 bbls, E R Squibb & Sons, Fort Amherst, St John's
1 cs, W A Price, Fort Amherst, St John's
750 dms, McKesson & Robbins, Consuelo, Hull
150 dms, Valentine Laboratories, Inc, Consuelo, Hull
CORN—540 dms, Corn Product Refining Co, Cameronia, Glasgow
ESSENTIAL—1 cs, Hamburg, Hamburg
24 dms, Antigua, Puerto Barrios
3 cs, Franconia, Southampton
21 cs, President Harding, Havre
10 cs, Noordam, Rotterdam
12 cs, Barfleur, Havre
FISH LIVER—4 dms, 1 pkg, Vitamerican, Inc, Osaka, Yokohama
FUEL—72,508 bbls, Asiatic Petroleum Corp, Kalmia, Curacao
LUBRICATING — 4 dms, Shell Petroleum Corp, Hamburg, Hamburg
40 dms, Jean Jadot, Antwerp
45 cs, N Y & N J Oil Co, Cameronia, Glasgow
MINERAL—90 dms, Hamburg, Hamburg
OLIVE—25 dms, Bank of Athens, Executive, Piraeus
50 dms, Leghorn Trading Co, Executive, Piraeus
25 dms, 64 bbls, Gran, Lisbon
1,555 cs, Exchange, Leghorn
580 cs, Exchange, Genoa
18 cs, Ida, Bari
50 cs, Ida, Messina
21 cks, Inter-Maritime Forwarding Co, Ida, Palermo
16 cks, General Shipping & Trading Co, Ida, Palermo
3 cks, American Shipping Co, Ida, Palermo
16 cks, 78 cs, Ida, Palermo
ORANGE—10 cs, Talamanca, Kingston
PALM—170 dms, Balfour, Guthrie & Co, Noordam, Rotterdam
160 dms, Balfour, Guthrie & Co, President Roosevelt, Hamburg
25 dms, Welch, Holme & Clark, Andania, Liverpool
1,050 tons, Banque Belge pour l'Etranger, Silverpine, Belawan Deli
600 tons, G W Rueff, Silverpine, Belawan Deli
PENNYROYAL—4 dms, American Trader, London
SESAME—25 dms, I R Boody & Co, Blommersdijk, Rotterdam
SHEANUT—58 dms, Balfour, Guthrie & Co, Independence Hall, Dunkirk
TEASEED—140 tons, Leghorn Trading Co, Tai Ping Yang, Hongkong
730 tons, Tai Ping Yang, Hongkong
100 dms, Arnhold & Co, Tai Ping Yang, Shanghai
YLANG YLANG—4 cs, French Line, Malabar, Port Said
PAPAIN—10 cs, S B Penick & Co, Malabar, Colombo
11 cs, Malabar, Colombo
14 hlf chests, S B Penick & Co, Silverpine, Colombo
PALM KERNELS—6,774 bgs, Silverpine, Belawan Deli
PAPRIKA—50 bgs, Coelho Bros, Gran, Lisbon
50 bgs, J Raphael & Son, Gran, Lisbon
270 bgs, Gran, Lisbon

PARAFFIN—1 cs, O Roth & Co, Noordam, Rotterdam
PARAFORMALDEHYDE POWD—69 dms, Andania, Liverpool
PEATMOSS—200 bls, Half Moon Mfg Trading Co, Blommersdijk, Rotterdam
300 bls, Penson & Co, Noordam, Rotterdam
PEPPER—104 bgs, Mexico, Vera Cruz
PEPPERMINT LEAVES—50 cs, J L Hopkins & Co, President Roosevelt, Hamburg
PERFUMERY, SYN—7 cs, Firmenich Co, Hamburg, Hamburg
PETROLEUM, CRUDE—38,302 bbls, Standard Oil Co of N J, Storstad, Las Piedras
43,000 bbls, Standard Oil Co of N J, Storstad, Aruba
PIMENTO—50 bgs, Talamanca, Kingston
PITCH, STEARIN—382 dms, A V Berner & Co, Consuelo, Hull
57 dms, Leitch Mfg Co, Consuelo, Hull
80 bbls, Independence Hall, Dunkirk
POPPYSEED—100 bgs, 11,000 lbs, R L Friedler, Blommersdijk, Rotterdam
50 bgs, 5,500 lbs, Archibald & Kendall, Blommersdijk, Rotterdam
150 bgs, 16,500 lbs, Levy & Levis Co, Blommersdijk, Rotterdam
100 bgs, 11,000 lbs, A G Dunn, Noordam, Rotterdam
100 bgs, 11,000 lbs, R L Friedler, Noordam, Rotterdam
100 bgs, 11,000 lbs, Jewett & Sherman, Noordam, Rotterdam
POTASH, CARBONATE—12 bbls, O Eismann, Noordam, Rotterdam
CHLORATE—100 dms, J Henry Schroeder Banking Corp, Hamburg, Hamburg
200 cyls, C Hardy, Independence Hall, Havre
PRUSSIATE—14 cks, H Kohnstamm & Co, Noordam, Rotterdam
SALT—10 kgs, 2 cs, American Trader, London
PYRETHRUM FLOWERS—1,100 bls, City of New York, Mombasa
125 bls, S B Penick & Co, Tai Ping Yang, Shanghai
QUICKSILVER—17 flks, Mexico, Vera Cruz
RAPESEED—200 bgs, Hamburg, Hamburg
50 bgs, Hinton & Co, Noordam, Rotterdam
RESIN, SYNTH—1 dm, Reichold Chem Co, Andania, Liverpool
RHUBARB—12 cs, J L Hopkins & Co, Tai Ping Yang, Shanghai
RICE FLOUR—100 bgs, Half Moon Mfg & Trading Co, Blommersdijk, Rotterdam
ROOT, MEDICINAL—18 bgs, Hamburg, Hamburg
30 bgs, R D Heins, President Roosevelt, Hamburg
30 bgs, Exchange, Leghorn
SAND, FURNACE — 400 bgs, Blommersdijk, Rotterdam
50 cks, 2 bgs, Noordam, Rotterdam
MOULDED—2,000 bgs, Whittaker, Clark & Daniels, Jean Jadot, Antwerp
SANDALWOOD—10 bls, Peek & Velsor, President Roosevelt, Hamburg
SCHEELITE, CONC—2 bgs, Union Ore Corp, City of New York, Beira
SEED, MEDICINAL—120 bgs, 92 bls, Pennland, Antwerp
SESAME SEED—90 bgs, Wah Young Co, Tai Ping Yang, Hongkong
300 bgs, S K Adams, Tai Ping Yang, Shanghai
SHELLAC—10 bgs, A Hurst & Co, Hamburg, Hamburg
50 cs, A Hurst & Co, Blommersdijk, Rotterdam
425 bgs, Guaranty Trust Co, Malabar, Calcutta
500 bgs, E E Androvette, Malabar, Calcutta
50 bgs, National City Bank, Malabar, Calcutta
825 bgs, A Hurst & Co, Malabar, Calcutta
867 bgs, Ralli Bros, Malabar, Calcutta
175 bgs, 25 cs, Malabar, Calcutta
30 cs, 25 cs, A Hurst & Co, Noordam, Rotterdam
SEEDLAC—1,050 bgs, Guaranty Trust Co, Malabar, Calcutta
300 bgs, Brown Bros-Harriman Co, Malabar, Calcutta
100 bgs, Bank of London-South America, Malabar, Calcutta
200 bgs, Wm Zinsser & Co, Malabar, Calcutta
500 bgs, Ralli Bros, Malabar, Calcutta
400 bgs, Malabar, Calcutta
STICKLAC—68 bgs, E E Androvette, Malabar, Calcutta
SIENNA—50 bbls, 70 cks, Exchange, Leghorn
215 bgs, Reichard, Coulston, Exchange, Leghorn
SOAP—2 cs, R H Macy & Co, President Harding, Havre
16 cs, Titan Shipping Co, American Trader, London
BASE—94 cs, Yardley & Co, American Trader, London
STEARIC—7 cs, Yardley & Co, American Trader, London
SODA CYANIDE—879 cyls, C Hardy, Independence Hall, Havre
SILICOFLUORIDE—80 bbls, Innis, Speiden & Co, President Roosevelt, Hamburg
200 bgs, Hummel Chem Co, Ida, Bari
SOOT DESTROYERS—4 cs, Hoole Service Co, American Trader, London
STARCH—14 cs, Burroughs, Wellcome & Co, American Trader, London
POTATO—200 bgs, American Cyanamid & Chem Co, Blommersdijk, Rotterdam
100 bgs, Stein, Hall & Co, Noordam, Rotterdam
RICE—25 bbls, Jean Jadot, Antwerp
SOLUBLE—50 bgs, National Adhesive Corp, Blommersdijk, Rotterdam
50 bgs, National Adhesive Corp, Noordam, Rotterdam
SUMAC LEAF—16 bls, Ida, Catania
TALC—100 bgs, Exchange, Leghorn
2,500 bgs, Chas Mathieu, Exchange, Genoa
TARTAR—100 bgs, Santa Clara, San Antonio
67 bgs, Andania, Liverpool
TRIPOLI—100 bgs, Gran, Lisbon
ULTRAMARINE—3 cks, Fezandie & Sperrie, Hamburg, Bremen
UMBER, BURNT—13 cks, Stanley Doggett, Malabar, Port Said
UREA—100 bgs, Synthetic Nitrogen Product Corp, Fennland, Antwerp
VALONIA, EXTRACT—2,324 bgs, International Product Corp, Executive, Yera
VANADIUM—7,026 bgs, Vanadium Corp, Santa Clara, Callao
VANILLA BEANS—19 cs, French Line, Malabar, Port Said
58 tins, Pan American Trust Co, Mexico, Vera Cruz
15 cs, Thurston & Braidich, Santa Paula, Curacao
10 cs, Lo Curto & Funk, Santa Paula, Curacao
9 cs, Barfleur, Havre
WATER MINERAL—50 cs, Hamburg, Bremen
22 cs, H S Dorf & Co, President Roosevelt, Hamburg
WAX, BEES—5 bdles, E A Bromund, Manuela, Mayaguez
6 bdles, D Steengrafe, Manuela, Ponce
20 bgs, Schutte & Focke, San Jacinto, Azua
19 bgs, Lenape Trading Co, San Jacinto, Azua
30 bgs, Castilla, Havana
36 seroons, Porcella Vicini & Co, Leif, Pto Plata
MINERAL—5 bgs, A Hurst & Co, American Trader, London
MONTAN—400 bgs, Innis, Speiden & Co, President Roosevelt, Hamburg
60 bgs, Strohmeyer & Arpe Co, President Roosevelt, Hamburg
STAIN—8 cs, J W Warnecke Corp, Blommersdijk, Rotterdam
WHITING—2,000 bgs, Jean Jadot, Antwerp
YEAST—2 kgs, Compressed Yeast Co, Hamburg, Hamburg
80 bbls, Vulkan Yeast Co, Hamburg, Hamburg
10 cs, J E Bernard & Co, Hamburg, Hamburg
ZINC OXIDE—5 bgs, Yardley & Co, American Trader, London

New York Transit Imports

BLUE, ULTRAMARINE—292 cks, Standard Ultramarine Co, Consuelo, Hull, Huntington
CASSIA ROLLS—200 bls, J H Forbes Tea & Coffee Co, Tai Ping Yang, Hongkong, St Louis
CHAMOIS SKINS—3 cs, President Harding, Havre, Rochester
DIACETYL—2 cs, Noordam, Rotterdam, Buffalo
DYES ANILIN—2 dms, Pennland, Antwerp, Toronto
GLASS, WINDOW—32 cs, Eastman Kodak Co, Jean Jadot, Antwerp, Rochester
MUSTARD SEED—30 bgs, Noordam, Rotterdam, St Louis
OIL, COCONUT—715 tons, Procter & Gamble Co, Tai Ping Yang, Manila, Cincinnati
PAPRIKA—100 bgs, Gran, Lisbon, Cincinnati
POPPYSEED—300 bgs, 33,000 lbs, Sokol & Co, Noordam, Rotterdam, Chicago
WAX—50 bgs, First Natl Bank, Cameronia, Glasgow, Cincinnati

Baltimore Imports

ALUMINUM POWDER—10 dms, City of Flint, Hamburg
BARIUM HYDRATE—20 cks, Liberty, Hamburg
BONE ASH—1,459 bgs, Algic, Buenos Aires
FLOUR—2,867 bgs, City of Flint, Hamburg
552 bgs, Liberty, Hamburg
BRONZE POWDER—5 cs, Liberty, Hamburg
CALCIUM NITRATE — 89 tons, Toronto, Heroen
CHEMICALS—40 cks, 40 bgs, Black Eagle, Rotterdam
200 bgs, City of Flint, Hamburg
COCONUT, DESIC—50 cs, Kyusyu, Davao
CODLIVER MEAL—880 bgs, Toronto, Bergen
1,100 bgs, Black Eagle, Antwerp
FERROMANGANESE — 700 tons, Toronto, Porsgrun
1,050 tons, 438 bbls, Order, Toronto, Sauda
78 cs, Vingaren, Gothenburg
200 tons, Scanstates, Gdynia
FISH MEAL—1,002 bgs, Anita, Buenos Aires
IRON ORE—11,500 tons, Bethlehem Steel Co, Firmore, Cruz Grande
21,800 tons, Bethlehem Steel Co, Marore, Cruz Grande
7,760 tons, Bethlehem Steel Co, Dessau, Whyalla
3,006 tons, Bethlehem Steel Co, City of Dalhart, Whyalla
21,300 tons, Bethlehem Steel Co, Lebore, Cruz Grande
LIVER MEAL—397 bgs, Mormacrio, Buenos Aires
MANGANESE ORE—1,400 tons, Steel Mariner, Calcutta
5,700 tons, Truth, Santiago
OCHER—369 bgs, Estrella, Marseilles
OIL, CODLIVER—20 bbls, Liberty, Hamburg
FUEL—20,000 bbls, Standard Oil Co of N J, Phoebus, Aruba
103,500 bbls, Standard Oil Co of N J, Montrolite, Aruba
OLIVE—100 dms, Excello, Piraeus
1 dm, Quaker City, Liverpool
PEATMOSS—655 bls, City of Flint, Bremen
1,450 bls, Liberty, Hamburg
QUEBRACHO EXTRACT—21,593 bgs, Mormacrio, Buenos Aires
8,078 bgs, Algic, Buenos Aires
SARDINE MEAL—1,000 bgs, Kyusyu, Moji
SEAWEED, DRIED — 20 bgs, Quaker City, Liverpool
SODA SULPHATE—250 tons, City of Flint, Bremen
TALC—300 bgs, Schodack, Bordeaux
TANKAGE—4,030 bgs, Anita, Buenos Aires
508 bgs, Algic, Montevideo
WOOL GREASE—14 bbls, Quaker City, Liverpool

Boston Imports

ACID, PEANUT OIL—159 dms, Blommersdijk, Rotterdam
STEARIC—30 triple bgs, Andania, Liverpool
TARTARIC—150 csks, 36,905 lbs, Excalibur, Genoa
BONE, MEAL—442 bgs, 44,533 lbs, Waukegan, Hamburg
BONES—2,295,870 lbs, National City Bank, Norderney, Montevideo
CARAWAY SEED—150 bgs, Thomas W Emerson, Blommersdijk, Rotterdam
CHEMICALS—368 bgs, Chemnitz, Bremen
2 cs, 317 lbs, Gustav Martin, Chemnitz, Hamburg
14 csks, 11,730 lbs, Innis, Speiden & Co, Chemnitz, Hamburg
100 bgs, Manufacturers Chemical Co, Blommersdijk, Rotterdam
500 bgs, 100 crbys, 32 csks, Blommersdijk, Rotterdam
1 cs, American Express Co, American Trader, London
CHINA CLAY—248 tons, 2 cwts, Moore & Munger, Montreal City, Fowey
1,551 tons, 19 cwts, English China Sales Corp, Montreal City, Fowey
COCOA BEANS—1,600 bgs, Balfour, Guthrie & Co, New Brunswick, Lagos
3,200 bgs, Bankers Trust Co, New Brunswick, Takoradi
16,000 bgs, Walter Baker & Co, New Brunswick, Accra
725 bgs, New Brunswick, Accra
3,200 bgs, New Brunswick, Saltpond
4,325 bgs, W & A Leaman, Blommersdijk, Rotterdam
800 bgs, 105,821 lbs, Daarnhouwer & Co, Velox, Bahia
COCONUTS—200 bgs, Universal Import & Export Co, Lady Somers, Kingston
100 bgs, Lady Nelson, St Lucia
COLOR, DRY—3 cs, Croxall Chemical & Supply Co, Andania, Liverpool
DEXTRIN—225 tins, Blommersdijk, Rotterdam
EMERY FILLET—3 cs, Joseph Sykes Bros, Andania, Liverpool
POWDER—10 bgs, 1 cs, Nicholson & Co, American Trader, London
GLASS—100 cs, 8,749 lbs, Waukegan, Hamburg
PLATE, COLORED—2 cs, 4,145 lbs, Syracuse Glass Co, Chemnitz, Hamburg
GLUE, FISHWASTE—32 bbls, Nicholson & Co, Good Luck, Lochport, N S
MARINE PITCH—9 dms, L W Ferdinand & Co, American Trader, London
GLUESTOCK, FISH—20 bxs, and 3 bbls, J R Poole, Yarmouth, Yarmouth
7 bbls, R H Ranagan, Yarmouth, Yarmouth
HIDE—212 bgs, Atlantic Gelatine Co, Andania, Liverpool
90 bgs, First National Bank, Andania, Liverpool
GUM, ARABIC—150 bgs, 33,730 lbs, Borden & Remington Co, Chemnitz, Hamburg
INDUSTRIAL—10 cases, 2,508 lbs, Excalibur, Marseilles
60 cks, 50 bgs, J P Marston Co, Andania, Liverpool
LOCUST BEAN—10 bgs, 2,277 lbs, Excalibur, Genoa
INSECTICIDE, NICOTINE—2 cs, Davies-Turner Co, American Trader, London
MEDICINAL PREPS—1 cs, American Express Co, American Trader, London
MICA SPLITTINGS—155 cs, Guaranty Trust Co, Malabar, Calcutta
MUSTARD SEED—150 bgs, Stickney & Poor Spice Co, Blommersdijk, Rotterdam
OIL, CODLIVER—215 dms, 101,838 lbs, Waukegan, Hamburg
FUEL—22,500 bbls, 945,000 gls, Colonial Beacon Oil Co, Scottish Heather, Aruba
LUBRICATING—1 pkg, 50 lbs, Plimpton Press, Waukegan, London
OLIVE—223 cs, 14,767 lbs, Excalibur, Genoa
PALM—237 dms, Balfour, Guthrie & Co, New Brunswick, Abonema
364 tons, Balfour, Guthrie & Co, New Brunswick, Port Harcourt
356 tons, Balfour, Guthrie & Co, New Brunswick, Calabar
PEANUT, HARDENED—4 trcs, American Express Co, Andania, Liverpool
SOD—5 bbls, Arthur Trask Co, American Trader, London
PEATMOSS—400 bls, 53,814 lbs, Atkins & Durbrow, Waukegan, Bremen
1,000 bls, 145,437 lbs, L E Page Co, Waukegan, Bremen
1,400 bls, 189,309 lbs, Peat Import Corp, Waukegan, Bremen
870 bls, Halfmoon Manufacturing & Trading Co, Blommersdijk, Rotterdam
100 bls, Premier Peatmoss Corp, Blommersdijk, Rotterdam
PERFUMERY—1 cs, American Express Co, American Trader, London
PETROLEUM, CRUDE—45,412 bbls, 6,858 tons, Colonial Beacon Oil Co, Scottish Heather, Las Piedras
POTASH, CHLORATE—800 dms, 192,241 lbs, Uniform Chemical Products, Inc., Chemnitz, Hamburg
PERCHLORATE—100 cs, Robinson-Wagner & Co, Hallaren, Gothenburg
QUEBRACHO EXTRACT—800 bgs, 66,038 lbs, International Products Corp, Velox, Buenos Aires
7,287 bgs, 782,183 lbs, American Tanners, Velox, Buenos Aires
RAPESEED—50 bgs, Blommersdijk, Rotterdam
SAGO FLOUR—1,480 bgs, A Hoffman & Co, Silverpine, Singapore
1,471 bgs, A Hoffman & Co, Thurland Castle, Singapore
365 bgs, Guaranty Trust Co, Thurland Castle, Singapore
SEAWEED EXTRACT — 1 kg, Chittenden Turner & Co, Andania, Liverpool
SHELLAC—75 chsts, Malabar, Calcutta
50 bgs, Grace National Bank, Malabar, Calcutta
50 bgs, J Henry Schroeder Banking Corp, Malabar, Calcutta
25 dble bgs, 10 cs, 6,010 lbs, Adolphi Hurst & Co, Chemnitz, Hamburg
SOAP—3 cs, American Express Co, Chemnitz, Hamburg
2 cs, 243 lbs, American Express Co, Excalibur, Marseilles
TANNER'S—3 dms, 2 cs, 1,905 lbs, John A Conkey & Co, Waukegan, Hamburg
TOILET—41 cs, American Express Co, American Trader, London
1 cs, Lever Bros, Andania, Liverpool
STARCH, CHEMICALLY TREATED — 1,300 bgs, Blommersdijk, Rotterdam
TANKAGE—434 bgs, 44,090 lbs, H J Baker & Bros, Velox, Buenos Aires
1,016 bgs, 111,993 lbs, National City Bank, Mormacsul, Montevideo
TAPIOCA FLOUR—560 bgs, A Hoffman & Co, Thurland Castle, Pasoeroean
1,120 bgs, from Netherland Indies
1,497 bgs, Guaranty Trust Co, Thurland Castle, Cheribon
250 bgs, Thurland Castle, Cheribon
WATER, MINERAL—100 cs, 9,314 lbs, S S Pierce Co, Excalibur, Marseilles
WAX, MONTAN—750 bgs, 115,742 lbs, Strohmeyer & Arpe Co, Chemnitz, Hamburg
ZINC, OXIDE—20 bbls, 5,380 lbs, Reichard, Coulston, Excalibur, Marseilles

Corpus Christi Imports

OIL, FUEL—47,429 bbls, Henry M Dawes, Smiths Bluff

Gloucester Imports

GLUESTOCK, FISH — 32,200 lbs, Russia Cement Co, Good Luck, Lockport, N S
OIL, COD—12 bbls, from Nova Scotia

Houston Imports

ARSENIC, WHITE—300 cs, Kano, Kobe
BONE MEAL—1,120 bgs, Maria, Fiume
PEATMOSS—1,150 bls, Binnendijk, Rotterdam
PETROLEUM, CRUDE—94,546 bbls, Pericles, Tuxpam

Lake Charles Imports

FERTILIZER MATERIALS — 1,563 tons, Floride, Antwerp

Los Angeles Imports

APRICOT KERNELS—320 lbs, Corneville, Hongkong
BARIUM CHLORIDE—2,210 lbs, Dinteldijk, Hamburg
CINNAMON QUILLS—400 pkgs, 40,000 lbs, Corneville, Ceylon
COCOA BEANS—6,720 lbs, Corneville, Ceylon
COCONUTS—300 bgs, 42,000 lbs, Dinteldijk, Jamaica
COCONUT, DESIC—1,425 cs, 150,900 lbs, Corneville, Manila
176 cs, 26,300 lbs, Corneville, Zamboanga
COPRA—1,120,000 lbs, Don Jose, Philippine Islands
112,000 lbs, Don Jose, Manila
MEAL—6,600 bgs, 660,000 lbs, Corneville, Cebu
4,562 bgs, 456,200 lbs, Don Jose, Manila
CUMIN SEED—60 bgs, 6,050 lbs, San Diego, Port Said
300 bgs, 33,600 lbs, San Diego, Nicosia
FISH LIVERS, FROZEN—103 tins, 4,120 lbs, Chichibu, Yokohama
556 tins, 22,240 lbs, Nagara, Yokohama
GLASS, SHEET—220 cs, 43,880 lbs, San Diego, Brussels
WINDOW—546 cs, 36,230 lbs, San Diego, Brussels
GUM, COPAL—62 bskts, 12,000 lbs, Madoera, Dutch East Indies
HEMPSEED MEAL—500 bgs, 50,000 lbs, Florida, Kobe
INK—6 lbs, Corneville, Hongkong
MAGNESIA, CARBONATE—1,750 lbs, Pacific Enterprise, Newcastle-on-Tyne
MEDICINAL PREPS—50 lbs, Tokai, Yokohama
500 lbs, Chichibu, Kobe
OIL, CHINAWOOD—78 dms, 36,000 lbs, Corneville, China
COCONUT—1,131,740 lbs, Anna Maersk, Manila
CODLIVER—120 bbls, 27,190 lbs, Tigre, Bergen
LUBRICATING—300 dms, 141,230 lbs, Canada, Copenhagen
OLIVE—75 dms, 32,470 lbs, from Genoa
PALM—452,510 lbs, Corneville, Medan
PEANUT—8,280 lbs, Corneville, Hongkong
RICE BRAN—313,980 lbs, Chichibu, Japan
YLANG YLANG—500 lbs, San Diego, Paris
PEATMOSS—700 bls, 69,440 lbs, Canada, Malmo
PEPPER, BLACK—75 bgs, 11,000 lbs, Madoera, D E I
100 bgs, 13,600 lbs, Corneville, Oosthaven
PERFUMERY—3 lbs, from Paris
POPPYSEED—50 bgs, 5,500 lbs, Dinteldijk, Haarlem
RAPESEED—50 bgs, 10,950 lbs, Canada, Hamburg
RICE FLOUR—150 lbs, Chichibu, Yokohama
980 lbs, Kongo, Yokohama
SEAWEED, DRIED—40 lbs, Corneville, Hongkong
SOAP, SOFT—6,060 lbs, Tigre, Oslo
SODA NITRATE—13,982 bgs, 15,500,060 lbs, Cuzco, Tocopilla
STARCH, POTATO—500 lbs, Kongo, Yokohama
TAPIOCA FLOUR—3,160 lbs, Corneville, Hongkong
TOILET PREP—50 lbs, from Vancouver

Mobile Imports

BAUXITE ORE, CRUSHED AND DRIED—2,863 tons, Primo, Paramaribo

New Orleans Imports

ARSENIC—82 bbls, Boschdijk, Rotterdam
BAUXITE ORE—2,585 tons, Aluminum Ore Co, Vestvangen, Paramaribo
477 tons, Aluminum Ore Co, Vestvangen, Port of Spain
2,400 tons, Aluminum Ore Co, Nordvangen, Paramaribo
406 tons, Aluminum Ore Co, Nordvangen, Port of Spain
COCOA BEANS—200 sx, Nordvangen, Port of Spain
CHEMICALS—114 bbls, Universal Carloading & Dist Co, Boschdijk, Rotterdam
158 dms, Advance Solvents & Chemical Corp, Boschdijk, Rotterdam
204 bbls, Boschdijk, Rotterdam
20 dms, Boschdijk, Antwerp
COCONUTS—300 sx, Standard Fruit & S S Co, Cefalu, Ceiba
400 sx, Valle & Suero, Lysefjord, Belize
200 sx, Lysefjord, Belize
FERROMANGANESE — 51,506 kilos, Wm Mueller & Co, Boschdijk, Rotterdam
GLASS, WINDOW—220 cs, Boschdijk, Antwerp
GUM, CHICLE—3,012 bls, Mexican Exploitation Co, Lysefjord, Cozumel
LITHOPONE—400 cks, Texas Transport & Terminal Co, Boschdijk, Rotterdam
MOLASSES—1,287,855 gls, Cuba Distilling Co, Catahoula, Jucaro
OIL, CODLIVER—889 dms, Boschdijk, Rotterdam
PEATMOSS—760 bls, Premier Peat Moss Corp, Oakwood, Hamburg
370 bls, Oakwood, Hamburg
1,485 bls, Peat Import Corp, Oakwood, Bremen
5,255 bls, Premier Peat Moss Corp, Boschdijk, Rotterdam
1,500 bls, Marine Midland Trust Co, Boschdijk, Rotterdam
3,855 bls, Boschdijk, Rotterdam
1,600 bls, Boschdijk, Antwerp
POTASH, CHLORATE—350 dms, Boschdijk, Antwerp
PYRETHRUM FLOWERS—250 bls, Lusk Shipping Co, Terukawa, Kobe
125 bls, W Rawleight & Co, Terukawa, Otaru
SARSAPARILLA ROOT—8 bls, Nordvangen, Kingston
SODA HYDROSULPHITE—50 bbls, Boschdijk, Antwerp
STARCH, TREATMENT—800 sx, Boschdijk, Rotterdam
WATER, MINERAL—350 cs, H Duizend, Tegucigalpa, Vera Cruz
215 cs, Boschdijk, Antwerp

Norfolk Imports

CHEMICALS—275 bgs, 23 tons, Black Eagle, Antwerp
100 dms, 4 tons, Philipp Bauer Co, N Y, Black Eagle, Antwerp
200 dmjbns, 12 tons, Black Eagle, Rotterdam
CHINA CLAY—973 tons, 13 cwts, Paper Makers Importing Co, Easton, Pa, Erica, Fowey
541 tons, 13 cwts, Jno W Higman Co, N Y, Erica, Fowey
2 bgs, samples, Jno W Higman Co, N Y, Erica, Fowey
CLAY, BALL—264 tons, 1 cwt, Paper Makers Importing Co, Easton, Pa, Erica, Fowey
1 bg, 1 cwt, Paper Makers Importing Co, Easton, Pa, Erica, Fowey
205 tons, Jno W Higman Co, N Y, Erica, Fowey
COCOA WASTE—6,283 bgs, 798 tons, Monsanto Chemical Corp, Black Eagle, Rotterdam
3,125 bgs, 198 tons, H J Baker & Bros, N Y, Black Eagle, Rotterdam
DYE INTERMEDIATES—4 dms, Cincinnati Chemical Works, Norwood, Ohio, Black Eagle, Rotterdam
LEATHER WASTE — 862 bgs, Manchester Brigade, Manchester
TALC—350 bgs, 53 tons, L A Salomon & Bros, N Y, Pipestone County, Bordeaux
150 bgs, 13 tons, Whittaker, Clark & Daniels, N Y, Pipestone County, Bordeaux
TITANIUM WHITE—50 crates, Black Eagle, Rotterdam

CLEANING MILLING
GUMS, DRUGS, FOOD PRODUCTS
To
Your Specification
Try
Gruman's Service
Telephone MArket 3-2491
J. B. GRUMAN CO.
St. Francis, Komorn and Maine Sts.
Est. 1854 NEWARK, N. J.

Philadelphia Imports

ACID, CRESYLIC—191 dms, John H Faunce, Manchester Exporter, Manchester
75 dms, Manchester Exporter, Manchester
250 csks, Tiradentes, Rotterdam
PEANUT OIL—25 dms, Otto A Hagen Corp, Black Gull, Rotterdam
SOYBEAN OIL—50 dms, Tiradentes, Rotterdam
AMMONIAC SAL—45 bgs, Mormactide, Gdynia
AMMONIA SULPHATE—1,000 bgs, Tiradentes, Rotterdam
BAUXITE—1,639 tons, Aluminum Union, Ingrid, Georgetown
BONE FERTILIZER—400 bgs, Fernmoor, Alexandria
CAMPHOR—30 cs, National City Bank, Kiyokawa Maru, Kobe
CANARY SEED—2,047 bgs, Anita, Buenos Aires
CARAWAY SEED—100 bgs, Quaker City Coffee Co, Black Gull, Rotterdam
CASSIA VERA—187 pkgs, Jacobus F Frank, Tweedbank, Batavia
CHEMICALS—140 dms, 400 csks, Advance Solvents & Chemical Corp, Black Gull, Rotterdam
25 dms, 25 bbls, 154 bgs, Tiradentes, Rotterdam
10 cs, C W Campbell & Co, Kiyokawa, Kobe
17 csks, Chemnitz, Hamburg
60 bbls, Corn Exchange National Bank & Trust Co, Chemnitz, Hamburg
3,688 bgs, Chemnitz, Bremen
COALTAR DISTILLATE—35 dms, Monsanto Chemical Co, Manchester Exporter, Manchester
COCOA BEANS—3,000 bgs, W R Grace & Co, Swinburne, Bahia
1,000 bgs, National City Bank, Swinburne, Bahia
3,000 bgs, Guaranty Trust Co, Swinburne, Bahia
1,000 bgs, Swinburne, Bahia
RESIDUE—300 bgs, Woodward & Dickerson, Black Gull, Rotterdam
COCONUTS—70 bgs, Simon & French, Barbara, San Juan
139 bgs, Edward Freeman, Barbara, San Juan
110 bgs, Universal Import & Export Co, Barbara, Mayaguez
CORK, WASTE—1 bbl, samples, Marina O, Seville
7,788 bls, Marina O, Seville
7,140 bls, Marina O, Seville
WOOD—1,247 bls, Marina O, Seville
CUTTLEFISH BONES—50 cs, Schodack, Bordeaux
FERTILIZER, NITRATE PHOSPHATE—718 bgs, Synthetic Nitrogen Product Corp, Black Gull, Rotterdam
FILTER MASS—50 bgs, Chemnitz, Hamburg
GLASS, SHEET—5 bxs, Arthur H. Thomas Co, Quaker City, Liverpool
WINDOW—3 cs, Black Gull, Antwerp
GLYCERIN—10 dms, Quaker City, Dublin
342 dms, Black Gull, Rotterdam
HEMPSEED—407 bgs, Bank of California National Assoc, Kiyokawa, Dairen
ILMENITE SAND—4,000 tons, 20 cwt, Nordvest, Kollithottam
LICORICE ROOT—6,202 bls, McAndrews & Forbes Co, Examelia, Alexandretta
MANGANESE ORE—3,600 tons, Queen City, Potf
MATCHES, SAFETY — 750 ctns, Guaranty Trust Co, Vingaren, Kotka
MENTHOL—15 cs, Chemical Bank & Trust Co, Aobasan, Kobe
MOLASSES—1,338,192 gls, North American Trading & Import Co, Cassimir, Pastellilo
1,425,725 gls, Penna Sugar Co, Spencer Kellogg, Havana
MUSTARD DROSS—360 bgs, Manchester Exporter, Manchester
MYROBALANS—12,208 bgs, Guaranty Trust Co, Urbino, Bombay
2,560 bgs, National City Bank, Urbino, Bombay
NAPHTHALENE—1,000 bgs, J W Hampton, Jr, & Co, Black Gull, Rotterdam
1,500 bgs, Tiradentes, Rotterdam
OIL, CODLIVER—310 dms, City of Flint, Hamburg
100 dms, Allen Forwarding Co, Black Gull, Rotterdam
CORN—70 dms, Quaker City, Belfast
54 dms, Quaker City, Liverpool
266,284 kilos, Black Gull, Rotterdam
COTTONSEED—722 dms, Cape Howe, Natal
LUBRICATING, SOLID—64 cs, H N Hill & Co, Quaker City, Glasgow
LUBRICATING, WHITE—35 dms, Black Gull, Antwerp
MINERAL—20 dms, Kuhne, Libby & Co, Chemnitz, Hamburg
OLIVE—125 cs, G Foti, Fernmoor, Leghorn
100 cs, Vincent Marano, Fernmoor, Leghorn
215 cs, Fernmoor, Leghorn
OSSEIN—782 bgs, Black Gull, Antwerp
PAPRIKA—50 bgs, Chemnitz, Bremen
PEATMOSS—1,250 bls, Tiradentes, Rotterdam
300 bls, 50 qtr bls, Chemnitz, Bremen
PEPPER, BLACK—84 bgs, J K Landenslager, Inc, Eurybates, Singapore
225 bgs, Tweedbank, Batavia
PETROLEUM, CRUDE—89,790 bbls, Gulf Oil Corp, Brunswick, Las Piedras
78,996 bbls, Gulf Oil Corp, Jane Maersk, Las Piedras
DERIVATIVE—S Schwabacher & Co, Chemnitz, Hamburg
POTASH, MURIATE—1,230,100 kilos, First National Bank, Sneland I, Antwerp
SULPHATE—2,300 bgs, First National Bank, Sneland I, Antwerp
PUMICE—130 bgs, Examelia, Canneto Lipari
PYRITES ORE—7,292 tons, Uganda, Huelva
RICE STARCH, POWDER—50 bbls, Davies-Turner Co, Black Gull, Antwerp
ROSIN, LIQUID—25 bbls, Silvaplana, Soderhamn
SAGO FLOUR—361 bgs, Guaranty Trust Co, Tweedbank, Singapore
SARDINE MEAL—4,000 bgs, Mitsui & Co, Mobasan Maru, Kobe
SESAME SEED—130 bgs, Bank of Manhattan, Nordvest, Bombay
TANKAGE—2,510 bgs, 2,632 cakes, Anita, Buenos Aires
TAPIOCA FLOUR—509 bgs, Bank of New York & Trust Co, Kota Radja, Batavia
250 bgs, Kota Radja, Batavia
594 bgs, Bank of New York & Trust Co, Kota Radja, Cheribon
1,020 bgs, H Winter & Co, Euraybates, Batavia
410 bgs, Bank of New York & Trust Co, Eurybates, Batavia
342 bgs, Bank of New York & Trust Co, Eurybates, Belawan Deli
500 bgs, Tweedbank, Cheribon
TUBA ROOT—50 bls, Kota Radja, Singapore
WATER, MINERAL—25 cs, E H Bailey & Co, Tiradentes, Rotterdam
WAX, CARNAUBA—112 bgs, Guaranty Trust Co, Swinburne, Ceara
VEGETABLE—100 cs, Mitsui & Co, Aobasan, Kobe
WHEAT STARCH—30 bgs, F B Vandegrift & Co, Tiradentes, Rotterdam

Portland, Ore., Imports

CHEMICALS—26 dms, Advance Solvents & Chemical Corpn, Delftdijk, Rotterdam
20 csks, Ernst W C Toepfer, Donau, Hamburg
COCONUT, DESIC—245 cs, L W Pennington, Bengkalis, Manila
COPRA—350 tons, Durkee Famous Foods, Germa, Cebu
450 tons, Durkee Famous Foods, Germa, Dumaguete
GLASS, WINDOW—572 cs, United States National Bank of Portland, Seattle, Antwerp
LINSEED MEAL—3,700 sks, Mitsubishi-Shoji-Kaisha, Gyoko, Kobe
OIL, OLIVE—15 dms, Cellina, Genoa
PAINT, SANDSTONE, WHITE—1 dm, Jantsen Swimming Ass'n, Delftdijk, London
THINNER—1 dm, Jantsen Swimming Ass'n, Delftdijk, London
PEANUTS, SHELLED—350 sks, Getz Bros & Co, Bengkalis, Manila
380 sks, Balfour, Guthrie & Co, Bengkalis, Manila
POTASH MURIATE—3,200 sks, Wilson & George Meyer & Co, Donau, Bremen

San Diego Imports

HOPS—15 bls, Bode & Voigt, Este, Hamburg

San Francisco Imports

ACID, FATTY — 100 sks, Mitsubishi Shoji Kaisha, Chichibu, Yokohama
ASPHALT—30 pkgs, Schou-Gallis Co, Salacia, Glasgow
BABASSU KERNELS — 5,334 sks, Bank of California, Brandanger, Tutoya
7,014 sks, Bank of California, N A, Brandanger, Maranhao
BLEACHING POWDER — 85 dms, Salacia, Liverpool
CALCIUM CHLORIDE—91 dms, Thor I, Antwerp (for Oakland)
10 sks, Thor I, Antwerp
357 dms, Mitsui & Co, Rakuyo, Moji
CARAWAY SEED—50 sks, American Commerce Co, Dinteldijk, Rotterdam
CHALK—1,099 sks, Thor I, Antwerp (for Oakland)
CHEMICALS—100 dms, Dinteldijk, Rotterdam
73 cks, Chemical Marketing Co, Dinteldijk, Rotterdam
CHILLIES—80 sks, American Commerce Co, Chichibu, Kobe
COCOA BEANS—250 sks, Wyoming, Cristobal
1,000 sks, Brandanger, Bahia
COCONUT, DESIC — 50 cs, Durkee Famous Foods, Hopecrest, Manila
COPRA MEAL — 17,820 sks, Taylor Milling Corpn, Hopecrest, Manila (for Oakland)
GINGER ROOT—35 cs, Luriline, Honolulu
20 cs, Maunawili, Hilo
GLASS, FIGURED—5 cs, Thor I, Antwerp (for Oakland)
27 cs, Thor I, Antwerp
PLATE—25 cs, Brown Bros-Harriman & Co, Thor I, Antwerp
SHEET—475 cs, Wyoming, Antwerp (for Oakland)
WINDOW—318 cs, Wyoming, Antwerp
200 cs, Bank of California, Wyoming, Antwerp
300 cs, Bank of California, Wyoming, Antwerp (for Alameda)
79 cs, Thor I, Antwerp
WIRED—28 cs, Thor I, Antwerp
7 cs, Thor I, Antwerp (for Oakland)
GUM, COPAL—500 sks, Thor I, Antwerp
HONEY—718 cs, Maunawili, Honolulu
IRON OXIDE—15 dms, Richard-Coulston, Salacia, Liverpool (for Oakland)
ISINGLASS—5 cs, S Ishimitsu Co, Chichibu, Kobe
LOOFAHS—1 bl, Chichibu, Yokohama
MEDICINAL PREPS—5 cs, Hosoda Bros, Chichibu, Kobe
1 cs, Pacific Trading Co, Chichibu, Kobe
MOLASSES—7,690,000 lbs, Makaweli, Nawiliwili
1,212 tons, Makiki, Hilo
1,000 tons, Maunawili, Port Allen
MUSTARD SEED—300 sks, D Ghirardelli Co, Dinteldijk, London
OIL, CODLIVER—25 dms, Thor I, Antwerp
CREOSOTE—20 dms, L H Butcher Co, Salacia, Liverpool
PALM, REF—50 cs, Canadian Bank of Commerce, Salacia, Liverpool
PIMENTO—50 sks, Barclays Bank, Dinteldijk, Kingston
POPPYSEED—50 sks, D Hecht & Co, Dinteldijk, Rotterdam
RAPESEED—625 sks, Mitsui & Co, Florida, Otaru
SESAME MEAL—1,120 sks, Balfour, Guthrie & Co, Florida, Yokohama
800 sks, Rakuyo, Yokohama
SEED—30 sks, P J Frawley Co, Hopecrest, Hongkong
SHEEP DIP, POWD—50 cs, William Cooper & Nephews, Dinteldijk, London
SILVERSAND—500 tons, Balfour, Guthrie & Co, Wyoming, Antwerp
1,300 tons, Thor I, Antwerp (for Oakland)
SOAP—350 cs, Dinteldijk, Rotterdam
SADDLE—15 cs, Hoyt, Shepston & Sciaroni, Dinteldijk, London
SOFT, PERFUMED—2 cs, Dinteldijk, London
TALC, CRUDE—600 sks, L H Butcher & Co, Chichibu, Yokohama
TOILET PREPS—3 cs, Hosoda Bros, Chichibu, Kobe
WATER, MINERAL—20 cs, Frates & Lovotti, Wyoming, Havre
100 cs, P W Bellingall, Dinteldijk, Rotterdam
WAX, CARNAUBA—2 cs, Marshill Dill, Florida, Yokohama

Savannah Imports

GYPSUM ROCK—2,900 tons, Hankefjill, Dingwall
PEATMOSS—24,220 kilos, Saccarappa, Bremen
POTASH MURIATE—Quantity, Saccarappa, Antwerp
TAPIOCA FLOUR—821 bgs, Mapia, Sourabaya
250 bgs, Mapia, Batavia

Seattle Imports

COLORING EXTRACT—3 csks, A Gusmer, Donau, Hamburg
GLASS, WINDOW—103 cs, United States National Bank of Portland, Seattle, Antwerp
GINGER ROOT—10 sks, Barclays Bank, Erria, Kingston
OIL, CODLIVER—25 dms, International Shipping Co, Abraham Lincoln, Oslo
OLIVE—50 dms, Cellina, Genoa
PEPPER, BLACK—225 cs, Bengkalis, Oosthaven
WHITE—81 sks, Bengkalis, Tandjong-Priok
PITCH, COALTAR, CRUDE—172 dms, Delftdijk, London
POPPYSEED—50 sks, D Hecht & Co, Delftdijk, Rotterdam
50 sks, A G Dunn, Delftdijk, Rotterdam
POTASH, CARBONATE—20 bbls, Donau, Antwerp
MURIATE—2,600 sks and 91,000 kilos, Wilson & George Meyer & Co, Donau, Bremen
SUPERPHOSPHATE—6,000 sks, Bank of California, Delftdijk, Rotterdam
TAPIOCA FLOUR—725 sks, Bank of New York, Bengkalis, Tjilatjap

Tacoma Imports

CHEMICALS—1,000 sks, Industrial Sales Corp, Seattle, Antwerp
HOPS—10 bls, Olympic Brewing Co, Este, Hamburg
PEATMOSS—1,200 bls, Wilson & George Meyer & Co, Abraham Lincoln, Oslo
POTASH MURIATE—500 sks, Wilson & George Meyer & Co, Donau, Bremen

Tampa Imports

COCONUTS—95,000, Allocate, Roatan
TOILET PREPS—1 cs, Cuba, Havana

Exports from U.S. Ports

New York Exports

Clearance Dates

Alex Van Opstal, December 10; American Importer, December 17; Asakasan, December 14; Ascania, December 16; Black Heron, December 15; Bremen, December 13; Chiriqui; December 14; Collamer, December 10; Eskbank, December 7; Excambion, December 16; Exhibitor, December 15; Frauenfels, December 10; Gunvor, December 16; Hurunui, December 13; Ilsenstein, December 17; Jaboatao, December 14; Javanese Prince, December 10; Katia, December 15; Malaren, December 12; Mexico, December 16; Mormacsea, December 15; New York, December 14; Northern Prince, December 15; Paris, December 16; Pennland, December 9; Queen Mary, December 16; Rex, December 13; San Jose, December 10; Sheridan, December 12; Siemdal, December 17; Steel Traveler, December 10; Thode Fagelund, December 19; Washington, December 13; West Kebar, December 19

ACETOACETANILIDE — 2,474 lbs, American Importer, Liverpool
ACID, MURIATIC—2,715 lbs, Chiriqui, Belize
VANADIC—1,252 lbs, Excambion, Marseilles
ALCOHOL, BUTYL—330 gls, Mormacsea, Abo; 2,090 gls, Hurunui, Sydney
AMMONIA, ANHYD — 10,180 lbs, Eskbank, Manila
AMYL ACETATE—10,685 lbs, Alex Van Opstal, Antwerp
AMYLENE DICHLORIDE—2,624 lbs, Collamer, Havre
ANTIMONY REGULUS—60,000 lbs, Asakasan, Yokohama
ASPHALT—70,418 lbs, Northern Prince, Santos; (Excambion) 29,415 lbs, Marseilles; 50,010 lbs, Haifa; 30,888 lbs, Jaboatao, Rio de Janeiro; 2,385 lbs, Collamer, Dunkirk; 30,940 lbs, Black Heron, Antwerp; (Hurunui) 635,215 lbs, Sydney; 1,767,622 lbs, Melbourne; 26,420 lbs, Javanese Prince, Manila
GRANULAR—22,503 lbs, Collamer, Havre
LIQUID—95,052 lbs, Alex Van Opstal, Antwerp; 27,559 lbs, Black Heron, Rotterdam; 11,238 lbs, American Importer, Liverpool
SOLID—50,921 lbs, American Importer, Manchester
BENZOL—300 gls, Jaboatao, Santos
BLUE, ULTRAMARINE—14,077 lbs, Chiriqui, Cartagena
BONE ASH—36,658 lbs, Black Heron, Antwerp
BUTYL ACETATE—5,328 lbs, Mormacsea, Abo; 6,905 lbs, Hurunui, Sydney
CARBON, VEGETABLE—29,779 lbs, Jaboatao, Santos
CHEMICALS—1,389 lbs, Mormacsea, Gothenburg; 86,635 lbs, Black Heron, Antwerp; 66,010 lbs, Collamer, Havre; 1,400 lbs, Pennland, Antwerp
CLAY—56,000 lbs, New York, Hamburg; 5,100 lbs, Black Heron, Antwerp
CORN SUGAR—50,750 lbs, Pennland, Antwerp
SYRUP—(Steel Traveler) 5,005 lbs, Honolulu; 3,105 lbs, Hilo; 3,619 lbs, Kahului; (Eskbank) 602 lbs, Manila; 37,500 lbs, Hongkong
DEXTRIN—4,865 lbs, Ascania, London
DICHLORODIFLUOROMETHANE—1,412 lbs, Black Heron, Rotterdam
DIMETHYL PHTHALATE—1,184 lbs, Mormacsea, Norrkoeping
DYES—(Alex Van Opstal) 6,132 lbs, Reichenberg; 1,570 lbs, Antwerp; 18,604 lbs, Northern Prince, Buenos Aires; (Black Heron) 25,765 lbs, Antwerp; 3,663 lbs, Rotterdam; 1,491 lbs, Washington, Havre
DYEWOOD EXTRACT—3,615 lbs, American Importer, Liverpool
ETHYLENEGLYCOL MONOBUTYLETHER—1,359 lbs, Collamer, Dunkirk
MONOETHYLETHER—12,528 lbs, Collamer, Dunkirk
MONOETHYLETHER ACETATE—12,558 lbs, Collamer, Dunkirk
FLUE DUST—57,456 lbs, Bremen, Bremen
GASOLINE—5,000 gls, Sheridan, Bahia; (West Kebar) 24,750 gls, Marshall; 10,000 gls, Kribi
GREASE, LUBRIC—6,460 lbs, Paris, Havre; 1,764 lbs, Ilsenstein, Rotterdam; (Excambion) 28,475 lbs, Marseilles; 2,210 lbs, Bone; 14,824 lbs, Alexandria; 5,264 lbs, Beirut; 5,889 lbs, Mormacsea, Helsingfors; (Malaren) 2,115 lbs, Gothenburg; 1,081 lbs, Malmo; 3,540 lbs, Stockholm; 4,540 lbs, Helsingfors; 11,255 lbs, Copenhagen; 3,081 lbs, Exhibitor, Piraeus; 75,819 lbs, New York, Hamburg; 11,206 lbs, Asakasan, Yokohama; 41,830 lbs, Collamer, Dunkirk; 4,733 lbs, Black Heron, Antwerp; 5,500 lbs, San Jose, Santiago; 11,437 lbs, Gunvor, Port Spain; (Hurunui) 12,880 lbs, Brisbane; 9,885 lbs, Sydney; 17,612 lbs, Melbourne; 2,112 lbs, Adelaide; 46,750 lbs, Eskbank, Shanghai; (West Kebar) 370 lbs, Accra; 312 lbs, Kribi; 5,322 lbs, Matadi; 5,007 lbs, Elizabethville; 30,280 lbs, Javanese Prince, Manila; 13,870 lbs, Washington, Havre; (Pennland) 443 lbs, Rotterdam; 83,546 lbs, Antwerp; (American Importer) 88,620 lbs, Liverpool; 151,647 lbs, Manchester; 4,628 lbs, Ascania, London
INK, PRINTING—5,104 lbs, Jaboatao, Rio de Janeiro
INSECTICIDE, AGRIC—2,545 lbs, Rex, Genoa
HOUSEHOLD—7,440 lbs, Steel Traveler, Honolulu
KEROSENE—(Sheridan) 2,000 gls, Para; 30,000 gls, Bahia
LACQUER—6,405 lbs, Malaren, Gothenburg; 764 lbs, Collamer, Havre
THINNER—1,650 gls, Excambion, Tel Aviv
LARD—14,396 lbs, Alex Van Opstal, Antwerp; 6,350 lbs, Queen Mary, Southampton; (New York) 47,285 lbs, Czechoslovakia; 65,943 lbs, Hamburg; 14,000 lbs, San Jose, Guantanamo; (Pennland) 113,450 lbs, Southampton; 15,500 lbs, Rotterdam; (American Importer) 102,500 lbs, Liverpool; 218,013 lbs, Manchester; 190,000 lbs, Ascania, London
LEAD—10,802 lbs, Eskbank, Manila
TITANATE—2,092 lbs, American Importer, Liverpool
LINSEED CAKE — 6,233,999 lbs, Alex Van Opstal, Antwerp; (Black Heron) 2,420,787 lbs, Antwerp; 4,433,863 lbs, Rotterdam; 567,796 lbs, Pennland, Antwerp
MINERAL SPTS—(Jaboatao) 20,500 gls, Rio de Janeiro; 5,500 gls, Santos
OIL, CASTOR—7,800 lbs, Javanese Prince, Manila
CORN—495 lbs, Steel Traveler, Hilo
ESSENTIAL—1,364 lbs, American Importer, Liverpool
LUBRICATING—(Thode Fagelund) 10,450 gls, Santos; 1,925 gls, Rio Grande; 2,650 gls, Porto Alegre; 13,470 gls, Alex Van Opstal, Antwerp; (Paris) 2,200 gls, Dunkirk; 275 gls, St Nazaire; 17,550 gls, Havre; 275 gls, Steel Traveler, Saigon; (Ilsenstein) 1,808 gls, Rotterdam; 510 gls, Zurich; 2,000 gls, Northern Prince, Rio Janeiro; (Rex) 2,750 gls, Napies; 27,190 gls, Genoa; (Excambion) 4,199 gls, Marseilles; 10,350 gls, Algiers; 550 gls, Philippeville; 270 gls, Oran; 9,900 gls, Alexandria; 2,365 gls, Beirut; (Mormacsea) 5,940 gls, Gothenburg; 5,662 gls, Malmo; 2,100 gls, Prague; 2,220 gls, Stockholm; (Malaren) 7,255 gls, Gothenburg; 2,170 gls, Malmo; 6,105 gls, Stockholm; 8,800 gls, Helsingfors; 495 gls, Helsingborg; 275 gls, Sundsvall; 6,490 gls, Jaboatao, Rio Janeiro; (Exhibitor) 3,860 gls, Casablanca; 14,035 gls, Piraeus; 690 gls, Athens; 101,965 gls, New York, Hamburg; 1,375 gls, Sheridan, Pernambuco; (Asakasan) 15,235 gls, Yokohama; 12,925 gls, Kobe; (Collamer) 43,660 gls, Havre; 275 gls, Lille; 4,935 gls, Dunkirk; 7,037 tons, Siemdal, London; 7,185 gls, Black Heron, Antwerp; 2,145 gls, Chiriqui, Kingston; (Hurunui) 21,450 gls, Brisbane; 67,100 gls, Sydney; 45,650 gls, Melbourne; 3,795 gls, Adelaide; 3,615 gls, Gunvor, Demerara; 29,185 gls, Mexico, Vera Cruz; 1,085 gls, Frauenfels, Baghdad; (Eskbank) 800 gls, Manila; 550 gls, Shanghai; 2,300 gls, Katia, Reykjavik; (West Kebar) 1,500 lbs, Dakar; 1,100 gls, Winnebah; 3,025 gls, Accra; 850 gls, Lagos; 800 gls, Kribi; 285 gls, Port Gentil; 300 gls, Point Noire; 2,950 gls, Matadi; 4,925 gls, Elizabethville; (Javanese Prince) 1,325 gls, Manila; 16,500 gls, Shanghai; 8,475 gls, Washington, Havre; (Pennland) 2,527 gls, Rotterdam; 9,160 gls, Antwerp; 385 gls, Basel; (American Importer) 3,150 gls, Liverpool; 7,700 gls, Manchester; 330 gls, Ascania, London
MINERAL—4,400 gls, Ascania, London
OLEO — 7,041 lbs, Black Heron, Antwerp; 62,013 lbs, Pennland, Antwerp
PALE—2,258 tons, Siemdal, London
PINE—1,426 lbs, West Kebar, Takoradi
SIGNAL—2,000 gls, Jaboatao, Rio de Janeiro
SULPHONATED — 12,023 lbs, Excambion, Marseilles
PAINT—2,613 lbs, Malaren, Stockholm; 10,632 lbs, Black Heron, Antwerp; 60,115 lbs, Hurunui, Sydney; 3,240 lbs, West Kebar, Marshall; 15,540 lbs, Javanese Prince, Manila
ENAMEL—2,943 lbs, Ilsenstein, Antwerp
PALM KERNEL CAKE—339,360 lbs, Ilsenstein, Antwerp
PARADICHLOROBENZOL—293 lbs, San Jose, Santiago
PARAFFIN—69,178 lbs, Rex, Genoa; 11,122 lbs, Malaren, Helsingfors; 7,772 lbs, Sheridan, Pernambuco; 680,213 lbs, Black Heron, Antwerp; 51,085 lbs, Mexico, Vera Cruz; (Pennland) 37,841 lbs, Rotterdam; 46,843 lbs, Antwerp
SCALE — 20,027 lbs, Ilsenstein, Rotterdam; 43,694 lbs, Mormacsea, Stockholm; 24,185 lbs, Pennland, Antwerp; 183,224 lbs, American Importer, Manchester
PETROLATUM, MED—157,991 lbs, Ascania, London
PITCH—103,290 lbs, American Importer, Liverpool
POTASH, BICHROMATE—11,611 lbs, Jaboatao, Santos
BROMATE—1,072 lbs, American Importer, Liverpool
PROPANE—5,102 lbs, San Jose, Santiago
RESIN, COALTAR—1,347 lbs, Pennland, Antwerp
SYNTHETIC—15,684 lbs, Collamer, Havre; 1,755 lbs, American Importer, Liverpool; 25,313 lbs, Washington, Havre
SODA ALUMINA SULPHATE — 21,494 lbs, Eskbank, Manila
ASH—(Hurunui) 24,150 lbs, Brisbane; 22,500 lbs, Sydney; 34,515 lbs, Melbourne; 13,562 lbs, Adelaide
BICARBONATE—33,680 lbs, Steel Traveler, Manila; (Chiriqui) 10,000 lbs, Porto Colombia; 10,100 lbs, Cartagena; 16,515 lbs, Javanese Prince, Manila
BICHROMATE—12,214 lbs, Jaboatao, Santos
CAUSTIC—268,644 lbs, Jaboatao, Santos; 26,941 lbs, Sheridan, Ceara; 11,800 lbs, Chiriqui, Cartagena; 150,078 lbs, San Jose, Guantanamo (Hurunui) 12,515 lbs, Brisbane; 32,540 lbs, Sydney; 20,288 lbs, Melbourne; 10,110 lbs, Adelaide; 301,100 lbs, Mexico, Vera Cruz
CYANIDE—9,906 lbs, Mexico, Vera Cruz
PHOSPHATE—5,012 lbs, Excambion, Tel Aviv
PYROPHOSPHATE—510 lbs, Malaren, Malmo
SILICATE—15,180 lbs, Northern Prince, Buenos Aires
STARCH—4,848 lbs, Ascania, London
CORN—(Steel Traveler) 14,565 lbs, Honolulu; 2,760 lbs, Hilo; 1,955 lbs, Kahului; 675 lbs, Chiriqui, Belize; 3,384 lbs, Hurunui, Melbourne; 6,075 lbs, Eskbank, Manila; 7,050 lbs, Ascania, London
TALC—20,200 lbs, Chiriqui, Cartagena; 112,000 lbs, Ascania, London
TOLUOL—1,540 gls, Thode Fagelund, Santos
TURPENTINE — 1,000 gls, Jaboatao, Rio de Janeiro; 300 gls, Hurunui, Brisbane
VARNISH—4,540 lbs, Chiriqui, Porto Colombia
WITCH HAZEL EXTRACT—2,981 lbs, Washington, Havre
ZINC DUST—4,320 lbs, Excambion, Marseilles; 2,873 lbs, West Kebar, Takoradi
OXIDE—2,473 lbs, American Importer, Manchester

Baltimore Exports

Clearance Dates

Artigas, December 21; Breedijk, December 23; Exmouth, December 21; Kyusyu, December 24; Manchester Brigade, December 20; Marna, December 21; Michigan, December 23; Sarcoxie, December 21; West Imboden, December 20

ACID, CHROMIC—11,200 lbs, Artigas, Manchester
CALCIUM ARSENATE—60,000 lbs, Marna, Pisco
COALTAR INTERMEDIATES—(Artigas) 1,000 lbs, Manchester; 1,000 lbs, Liverpool
CORN SUGAR—60,000 lbs, Manchester Brigade, Manchester
COTTONROOT BARK—774 lbs, Sarcoxie, London
DEODORANTS—720 lbs, Exmouth, Athens
GLASS FRIT, CRSHD—22,500 lbs, Manchester Brigade, Manchester

GREASE, LUBRIC—67,131 lbs, Kyusyu, Osaka; 11,350 lbs, Artigas, Manchester; (Sarcoxie) 24,375 lbs, London; 36,208 lbs, Hamburg; 5,621 lbs, Exmouth, Thessoloniki; 26,250 lbs, Michigan, Valparaiso
LICORICE PASTE—500 lbs, Breedijk, Amsterdam
IRON, SAND—1,100 lbs, West Imboden, Rio Janeiro
MAGNESITE—22,440 lbs, Marna, Valparaiso
OIL, ENGINE—573 bbls, Breedijk, Newcastle
FLOTATION—30,000 lbs, Marna, San Antonio
LUBRICATING—6,600 gls, Manchester Brigade, Manchester
MINERAL—6,480 gls, Artigas, Liverpool; 63,910 lbs, Sarcoxie, London
RUTILE—11,200 lbs, Artigas, Glasgow
SASSAFRAS BARK—1,408 lbs, Exmouth, Marseille
SOLDER DROSS—102,277 lbs, Sarcoxie, Hull; 13,830 lbs, Markhor, Bristol
STARCH, CORN—1,116,720 lbs, Manchester Brigade, Manchester

Boston Exports

Clearance Dates

American Shipper, December 26; Breedijk, December 27; Macharda, December 22; Nova Scotia, December 21; President Polk, December 27; Samaria, December 24; San Blas, December 27; San Jose, December 29; Yarmouth, December 28

ALUMINA OXIDE—1,393 bgs, and 48 kgs, 152,364 lbs, Macharda, London
BAKING POWDER—25 bxs, 15 pls, 1,350 lbs, Nova Scotia, St John's, N F
BIOLOGICALS—1 pkg, Macharda, London
BLEACHING POWDER—1 crtn, 45 lbs, San Blas, Coco Solo, C Z
BONE CHAR—724 bgs, 180,972 lbs, San Jose, Kingston
BRISTLES—5 cs, 543 lbs, Yarmouth, St John, N B
CEMENT, PIPE—3 crtns, 106 lbs, Nova Scotia, St John's, N F
RUBBER—7 dms, 378 gls, President Polk, Manila
CLAY—192 bbls, and 151 dms, 42 tons, Macharda, London
CLEANER—2 crtns, 30 qts, Yarmouth, St John's, N F
DRESSING, LEATHER—1 crtn, 34 lbs, Nova Scotia, St John's, N F; 25 pls, 10 dms, 750 gls, Macharda, Walsall
OILBOARD—1 cs, 45 lbs, President Polk, Manila
SHOE—1 cs, 51 lbs, President Polk, Manila; 5 cs, 78 gls, San Blas, Havana
GARNET ROCK—4 dms, 1,122 lbs, Macharda, London
GLUE, FISH—9 bbls, 500 gls, Macharda, London
VEGETABLE—4 dms, 40 gls, Macharda, London
GREASE, LUBRIC—4 dms, 1,802 lbs, Nova Scotia, Liverpool
INK, MARKING—3 pls, 132 lbs, President Polk, Manila; 1 cs, 1 lb, San Blas, Havana
PRINTING—15 dms, 3,500 lbs, President Polk, Singapore
INSECTICIDE—2 pls, 10 gls, Macharda, London
IRON SAND—2 bgs, 200 lbs, President Polk, Honolulu
KEROSENE—75 bbls, 4,125 gls, Nova Scotia, St John's, N F
LEAK PREVENTIVE—4 crtns, 30 qts, Nova Scotia, St John's, N F; 1 crtn, 6 qts, Yarmouth, St John's, N F
LEATHER SCRAP—(Macharda) 85 bls, 59,260 lbs, Bombay; 48 bls, 9,478 lbs, Nailsworth
LINING COMP—1 dm, 53 gls, San Blas, Havana; 50 dms, 2,650 gls, Breedijk, Rotterdam
MEDICINAL PREPS—341 bxs, 1,705 gls, Macharda, London; 3 straps, 123 lbs, San Blas, Havana
MOLASSES—(Breedijk) 36 bbls, 1,980 gls, Rotterdam; 50 bbls, 2,750 gls, Amsterdam
OIL, COALTAR—10 dms, 4,590 lbs, San Blas, Havana
CREOSOTE—4 dms, 216 gls, Nova Scotia, St John's, N F; 60 dms, 3,240 gls, San Blas, Havana
LUBRICATING—6 cs, 180 gls, Nova Scotia, Liverpool
PIPE-CUTTING—1 crtn, 12 qts, Nova Scotia, St John's, N F
TRANSFORMER—1 dm, 230 lbs, Nova Scotia, Grand Falls, N F
PAINT—(Nova Scotia) 6 cs, 37 gls, St John's, N F; 1 cs, 2 gls, Liverpool; 9 bxs, 50 gls, President Polk, Honolulu
COPPER—11 pls, 36 crtns, 185 gls, San Blas, Havana
PASTE, ADHES—30 dms, 1,350 lbs, Breedijk, Rotterdam
POLISH, SHOE—7 bxs, 334 lbs, President Polk, Honolulu; 12 cs, 120 gls, American Shipper, Leicester
POTASH PHOSPHATE—1 crby, 160 lbs, American Shipper, Ruabon
PUTTY—14 crtns, 3 crts, 1,320 lbs, Nova Scotia, St John's, N F; 24 crtns, 5,684 lbs, President Polk, Manila
SAGE, GREEN—14 bls, 4,191 lbs, Macharda, London
SOAP, FLAKE—(President Polk) 20 cs, 665 lbs, Hilo; 25 cs, 417 lbs, Honolulu; 20 cs, 668 lbs, Manila
POWDER—(President Polk) 110 cs, 4,119 lbs, Hilo; 200 cs, 7,509 lbs, Honolulu; 50 cs, 1,893 lbs, Kahului; 30 cs, 1,136 lbs, Nawiliwili; 10 cs, 462 lbs, Manila
TAR—(President Polk) 105 cs, 2,437 lbs, Hilo; 100 cs, 2,500 lbs, Honolulu; 20 cs, 475 lbs, Kahului; 700 cs, 23,125 lbs, Manila
TOILET—(President Polk) 150 cs, 3,562 lbs, Hilo; 150 cs, 3,562 lbs, Honolulu; 30 cs, 712 lbs, Kahului; 30 cs, 712 lbs, Nawiliwili; 1,800 cs, 48,750 lbs, Manila
WOOL—25 cs, 950 lbs, Yarmouth, St John, N B
SOFTENER, LEATHER—1 cs, 1 lb, San Blas, Havana
SOLDER DROSS—4 dms, 2,865 lbs, Macharda, Bristol
STAIN, SHOE—1 cs, 2 gls, Nova Scotia, Liverpool
SODA, COMP—1 pl, 37 lbs, Nova Scotia, St John's, N F
TANNING FINISH—2 bbls, 960 lbs, President Polk, Manila; 7 bbls, 3,444 lbs, American Shipper, Manchester
TOILET PREPS—5 cs, 428 lbs, Nova Scotia, Nottingham
VARNISH—11 cs, 80 gls, Nova Scotia, St John's, N F
WASHING POWDER—10 bbls, 2,000 lbs, President Polk, Manila
WAX, SHOE—2 cs, 50 lbs, President Polk, Manila; 1 cs, 60 lbs, San Blas, Havana; 1 crtn, 125 lbs, American Shipper, Manchester
WELDING COMP—2 cs, 350 lbs, Yarmouth, Kentville, N S

Corpus Christi Exports

Clearance Dates

Aragaz, December 21; Athellaird, December 20; British Viscount, December 13; Caprella, December 9; Ferncourt, December 21; Frimaire, December 9; Invershannon, December 21; Laurent Meeus, December 17; Regina, December 20

GASOLINE—46,090 bbls, Laurent Meeus, London; 54,565 bbls, Aragaz, Curacao; 5,505 bbls, Invershannon, Havre
OIL, FUEL—67,701 bbls, Regina, Gothenburg
GAS—87,209 bbls, Caprella, Curacao
PETROLEUM, CRUDE—71,406 bbls, British Viscount, Naples; 100,424 bbls, Frimaire, Berre; 31,408 bbls, Regina, Gothenburg; 102,896 bbls, Athellaird, Havre; 117,872 bbls, Ferncourt, Dunkirk; 93,849 bbls, Invershannon, Havre

Galveston Exports

Clearance Dates

Almeria Lykes, December 22; Augsburg, December 23; Ethan Allen, December 27; Kimikawa, December 21; Tiger, December 23; Trafalgar, December 21

ASPHALT—123 dms, Trafalgar, Copenhagen
BLACK, CARBON—(Kimikawa) 34 cs, Yokohama; 421 bgs, Kobe; (Trafalgar) 50 cs, Copenhagen; 100 cs, Gdynia; 1,103 bgs, 100 cs, Augsburg, Hamburg; 10 tons, Ethan Allen, Antwerp
OIL, DIESEL—5,500 tons, Tiger, Avonmouth
POTASH—50 tons, Almeria Lykes, San Juan

Houston Exports

Clearance Dates

Binnendijk, December 27; Ethan Allen, December 27; Johannes Molkenbuhr, December 21; Lunula, December 22; Oilreliance, December 27; Phenix, December 23; Regent Lion, December 25; Trafalgar, December 23; Winnetou, December 21

ASPHALT—(Trafalgar) 174 dms, Gothenburg; 10 dms, Copenhagen
BLACK, CARBON—(Johannes Molkenbuhr) 10 cs, Bristol; 200 bgs, Dublin; 3,824 bgs, London; 200 bgs, 5 cs, Manchester; 20 cs, Liverpool; (Trafalgar) 440 bgs, Gothenburg; 177 cs, Copenhagen; 932 bgs, 3 cs, Gdynia; (Binnendijk) 50 tons, London; 35 tons, Antwerp; 100 tons, Rotterdam; (Ethan Allen) 5,190 bbls, 300 cs, Havre; 300 bgs, Grent-Antwerp; 100 bbls, Rotterdam
CLAY, GRD—672 bgs, Johannes Molkenbuhr, Liverpool
GASOLINE—8,800 tons, Lunula, Havre; 5,000 tons, Phenix, Turkey and Greece; 13,634 tons, Regent Lion, Avonmouth; 4,000 tons, Oilreliance, Bordeaux-Cherbourg-Havre
KEROSENE—1,000 tons, Phenix, Turkey and Greece; 5 dms, Trafalgar, Gothenburg
LUBRICANTS—(Trafalgar) 202 pkgs, Oslo; 172 pkgs, Gothenburg; 240 pkgs, Copenhagen
OIL, FUEL—45,000 bbls, Winnetou, Cienfuegos
GAS—2,500 tons, Phenix, Turkey and Greece
LUBRICATING—25 bbls, Johannes Molkenbuhr, London; 30 dms, Trafalgar, Copenhagen; 20 dms, 45 bbls, Ethan Allen, Rotterdam
SULPHUR—560 bgs, Trafalgar, Gdynia

Lake Charles Exports

Clearance Date

Idarwald, December 21

ROSIN—500 bbls, Idarwald, Hamburg

Los Angeles Exports

Clearance Dates

Argyll, December 20; Beckenham, December 17; Captain A. F. Lucas, December 21; Cathwood, December 19; Cellina, December 19; City of Newport News, December 17; Dinteldyk, December 19; Florida, December 19; Hauraki, December 17; Heranger, December 18; Huzikawa, December 17; Lochgoil, December 17; Nordstjernan, December 17; President Harrison, San Mateo, December 17; Skjelbred, Tai Yin, December 19; Tatibana, December 19; Teiyo, December 20

ACETONE—50 dms, 17,900 lbs, Hauraki, Wellington; 168 dms, 55,930 lbs, Lochgoil, Liverpool; 49 dms, 17,540 lbs, Nordstjernan, Helsingfors; 62 dms, 22,200 lbs, San Mateo, Antwerp; 30 dms, 10,740 lbs, Florida, Valparaiso
ACID, BORIC—(Hauraki) 20 bgs, 2,240 lbs, Wellington; 60 bgs, 6,720 lbs, Sydney
ASPHALT—(Huzikawa) 77 bgs, 17,920 lbs, Kobe; 377 bgs, 84,000 lbs, Yokohama
CRUDE—85 bgs, 18,600 lbs, President Harrison, Osaka
BORATE—730 sks, 116,390 lbs, Beckenham, Osaka; 1,244 bgs, 216,660 lbs, Skjelbred, Osaka; 1,640 bgs, 174,760 lbs, Hauraki, Melbourne
BORAX—(Beckenham) 500 sks, 55,130 lbs, Yokohama; 980 sks, 108,050 lbs, Osaka; (Hauraki) 90 bgs, 10,080 lbs, Auckland; 90 bgs, 10,080 lbs, Wellington; 320 bgs, 35,840 lbs, Sydney; 340 bgs, 38,080 lbs, Melbourne; 1,100 bgs, 123,200 lbs, Nordstjernan, Hull; 60 pkgs, 6,000 lbs, Tai Yin, Manila; (President Harrison) 1,860 sks, 210,180 lbs, Yokohama/Osaka/Kobe; 407 bgs, 45,580 lbs, Hongkong; (Florida) 60 bgs, 6,720 lbs, Manzanillo; 10 kgs, 1,100 lbs, Valparaiso; 98 bgs, 10,980 lbs, Cellina, Piraeus
BUTANE—44 cyls, 4,400 lbs, Lochgoil, Amsterdam
CHEMICALS—10 dms, 4,400 lbs, Florida, Callao
CLAY, GRD—57 dms, 23,340 lbs, San Mateo, Maracaibo; 300 sks, 30,000 lbs, Cellina, Beirut
CLEANER—3,490 lbs, City of Newport News, Panama
COLOR, DRY—5,000 lbs, Tai Yin, Manila
CORN SYRUP—90 bbls, 60,350 lbs, Tai Yin, Manila
COTTON LINTERS—500 bls, 312,990 lbs, Heranger, Havre; 936 bls, 549,340 lbs, Cellina, Genoa
DIATOMACEOUS EARTH—(Hauraki) 672 bgs, 67,200 lbs, Auckland; 224 bgs, 22,400 lbs, Sydney; 560 bgs, 56,000 lbs, Melbourne; Nordstjernan) 55 bgs, 5,500 lbs, Helsingfors; 115 bgs, 10,960 lbs, Stockholm; 20 bgs, 2,000 lbs, Dinteldyk, Vancouver; (San Mateo) 341 bgs, 33,900 lbs, Curacao; 4 bgs, 280 lbs, Port Spain; 440 bgs, 36,000 lbs, Antwerp; 506 bgs, 50,600 lbs, Florida, Manzanillo; 462 bgs 46,200 lbs, Cellina, Marseilles
ETHYL KETONE—31 dms, 11,350 lbs, Lochgoil, Rotterdam; 30 dms, 10,980 lbs, Nordstjernan, Helsingfors; 60 dms, 21,926 lbs, San Mateo, Havre; 919 dms, 380,550 lbs, Kunikawa, Yokohama
GASOLINE—5 dms, 100 cs, 9,570 lbs, Hauraki, Papeete; 50 dms, 500 cs, 56,700 bs, Argyll, Santa Rosalia
GYPSUM—448 sks, 44,800 lbs, Hauraki, Wellington
KEROSENE—(Hauraki) 75 cs, 6,380 lbs, Auckland; 95 dms, 50 cs, 38,450 lbs, Wellington; 20 dms, 7,130 lbs, Argyll, Santa Rosalia
LACQUER—1,040 lbs, Florida, Santiago
OIL, DIESEL—10,325 bbls, 3,221,400 lbs, Hauraki, Auckland; 61,252 bbls, 19,110,620 lbs, Cathwood, Balboa; 53,333 bbls, 16,639,900 lbs, Tatibana, Yokohama/Osaka/Moji/Nagasaki
FUEL—7,994 bbls, 2,662,000 lbs, Cathwood, Balboa; 33,263 bbls, 12,076,580 lbs, Captain A F Lucas, Guaymas; 80,152 bbls, 26,690,620 lbs, Taiyo, Yokosuka; 24,017 bbls, 7,997,660 lbs, Argyll, Santa Rosalia
LEMON—2,280 lbs, Heranger, Havre; 400 lbs, Norstjernan, Malmo; 700 lbs, President Harrison, Manila; 380 lbs, Cellina, Marseilles
LUBRICATING—(Hauraki) 67 pkgs, 10,090 lbs, Wellington; 135 bbls, 23,280 lbs, Sydney
ORANGE—350 lbs, Hauraki, Melbourne; 300 lbs, President Harrison, Manila; 390 lbs, Cellina, Marseilles
PALM, HARDENED—2,000 bgs, 200,000 lbs, Tai Yin, Manila
PECTIN, CITROUS—(Lochgoil) 4,400 lbs, Liverpool; 2,600 lbs, London
PETROLEUM, GAS, LIQ—11 cyls, 2,370 lbs, Hauraki, Auckland; 77 cyls, 8,100 lbs, Nordstjernan, Barranquilla
ROSIN, GUM—(Hauraki) 30 bbls, 15,000 lbs, Auckland; 30 bbls, 15,000 lbs, Wellington
WOOD—(Hauraki) 7,350 lbs, Wellington; 2,450 lbs, Napier
SOLVENTS (Hauraki) 56 dms, 22,280 lbs, Sydney; 28 dms, 11,140 lbs, Melbourne; 5 dms, 1,750 lbs, Florida, Manzanillo
TALC, GRD—400 bgs, 40,000 lbs, President Harrison, Manila
TOILET PREPS—470 lbs, Tai Yin, Shanghai; 790 lbs, President Harrison, Hongkong; 900 lbs, Florida, La Paz; 670 lbs, City of Newport News, Havana
TURPENTINE—45 cs, 5 dms, 5,800 lbs, Hauraki, Wellington

New Orleans Exports

Clearance Dates

Arsa, December 20; Cefalu, December 13; Contessa, December 6; Cripple Creek, December 21; Gunderson, December 20; Hybert, December 23; Kano, December 17; Kimikawa, December 17; Lysefjord, December 7; Maria, December 22; Monfiore, December 20; Morazan, Dec. 8; Sinaloa, December 2; Sixaola, December 7; Spaarndam, December 15; Tegucigalpa, December 15; Wawa, December 15

ACID, MURIATIC — 400 crbys, Lysefjord, Banes
ASPHALT, GILSONITE — 73 sx, Monfiore, Genoa
BAKING POWDER—60 ctns, Contessa, Colon
BARYTES—2,000 sx, Cefalu, Havana
BLACK, CARBON—41 tons, Cripple Creek, Manchester; (Kimikawa) 31 cs, Yokohama; 33 cs, 1,773 sx, Kobe; 820 cs, Kobe-Yokohama-Osaka; (Spaarndam) 61 tons, London; 2 tons, Rotterdam; 30 cs, Monfiore, Leghorn
CALCIUM PHOSPHATE—1 ton, Morazan, Vera Cruz; 10 bbls, Tegucigalpa, Tampico
CLAY—200 sx, Cefalu, Havana; 54 tons, Spaarndam, London
GROUND—24 tons, Cripple Creek, Manchester; 14 tons, Arsa, Marseilles
COCOA WASTE—59 tons, Spaarndam, Amsterdam
CORN SYRUP—(Cripple Creek) 20 tons, Liverpool; 40 tons, Manchester
COTTONSEED HULL SHAVING PULP—26 tons, Spaarndam, London
MEAL—495 tons, Cripple Creek, Liverpool
DISTILLATE—5 dms, Sixaola, Puerto Cortez
FERTILIZER—40 sx, Cefalu, Ceiba
FULLER'S EARTH—10 sx, Cefalu, Ceiba
GASOLINE—(Wawa) 100 dms, 25 cs, 560 bbls, Puerto Cabezas; 50 dms, Ceiba; 7,610 dms, Kano, Yokohama; 30 dms, Sinaloa, Bluefields; (Lysefjord) 50 cs, 6 dms, Puerto Castilla; 100 bbls, Belize
GLAZING COMP—1 ton, Tegucigalpa, Vera Cruz
GYPSUM—6 dms, Tegucigalpa, Tampico
KEROSENE—6 dms, 25 cs, Contessa, Puerto Cabezas; 6 dms, 35 cs, Sinaloa, Bluefields; (Lysefjord) 100 cs, Puerto Castilla; 50 dms, 100 cs, Belize; 25 cs, Cefalu, Puerto Cabezas
LARD—3,525 tins, Morazan, Vera Cruz; 550 tins, Tegucigalpa, Vera Cruz; (Contessa) 250 tins, Panama; 25 crts, Puerto Cabezas; 275 tins, Cefalu, Panama; 79 tons, Spaarndam, London; 100 tins, 20 dms, Sixaola, Puerto Barrios; (Lysefjord) 275 dms, 25 crts, 75 tins, Santiago; 51 crts, Belize
LICORICE PASTE—1 ton, Tegucigalpa, Vera Cruz
MILK POWDER—4 tons, Tegucigalpa, Vera Cruz; 20 sx, Contessa, Panama
MOLYBDENITE CONC—55 tons, Spaarndam, Rotterdam
OIL, FUEL—1,500 bbls. Contessa, Ceiba; (Cefalu) 33,600 gls, Puerto Cabezas; 2,000 bbls, Ceiba; 30 dms, Sinaloa, Bluefields
LUBRICATING—24 bbls, Tegucigalpa, Tampico; 16 dms, Contessa, Puerto Cabezas; (Cefalu) 55 dms, Talcahuano; 15 dms, Antofagasta; 195 dms, Valparaiso; 18 tons, Cripple Creek, Liverpool; 28 tons, Gunderson, Puerto Mexico; 875 dms, Kimakawa, Yokohama; 1 ton, Spaarndam, London; 102 bbls, Monfiore, Genoa; (Arsa) 100 tons, Marseilles; 14 tons, Casa Blanca; 4 dms, Sinaloa, Bluefields; 63 dms, 20 cs, 70 crts, Sixaola, Puerto Barrios
PINE—250 dms, Contessa, Chanaral; 10 dms, Cefalu, Mollendo; (Monfiore) 5 dms, Genoa; 12 dms, Leghorn
REFINED—700 cs, Sixaola, Puerto Cortez
PAINT—67 ctns, Contessa, Panama City; 2 tons, Sixaola, Puerto Cortez
ENAMEL—69 dms, Tegucigalpa, Tampico
PARAFFIN—134 tons, Cripple Creek: Manchester; 6,002 sx, Monfiore, Naples; 2,449 sx, Morazan, Vera Cruz; 2,000 sx, Tegucigalpa, Vera Cruz; 125 sx, Contessa, Valparaiso; 200 sx, Cefalu, Guayaquil; 3,006 sx, Maria, Venice
PETROLATUM—136 dms, Kimikawa, Yokohama
PETROLEUM, CRUDE—3 dms, Kimikawa, Yokohama
PINETAR—21 dms, Tegucigalpa, Vera Cruz; 20 dms, Contessa, Havana
ROSIN—6 tons, Spaarndam, Antwerp; 67 dms, Monfiore, Genoa
WOOD—5 dms, Contessa, Callao; 108 tons, Cripple Creek, Liverpool; 44 dms, Hybert, Genoa
SALT—(Contessa) 92 tons, Havana; 5 tons, Puerto Cabezas; 5 tons, Ceiba; (Cefalu) 31 tons, Havana; 2 tons, Puerto Cabezas; 3 tons, Sinaloa, Bluefields
SODA, CAUSTIC—65 dms, Cefalu, Havana
PHOSPHATE—18 tons, Spaarndam, London
SILICATE—150 sx, Cefalu, Ceiba
SULPHATE—36 bbls, Tegucigalpa, Tampico
STARCH—27 tons, Spaarndam, Rotterdam
CORN—332 tons, Cripple Creek, Manchester
SULPHUR—1,253 sx, Morazan, Vera Cruz; 3,150 tons, Cripple Creek, Manchester
TRIPOLI—18 tons, Spaarndam, Rotterdam

Norfolk Exports

Clearance Dates

Delaware, December 20; Pipestone County, December 21

MICA, PULV—70 bgs, 7,140 lbs, Pipestone County, Havre
OCHER—600 bgs, 67,800 lbs, Pipestone County, Havre
STARCH—270 bgs, Delaware, Oslo

Philadelphia Exports

Clearance Dates

Anita, December 29; Barbara, December 29; Birmania, December 27; City of Manila, December 23; Examiner, December 23; Fernmoor, December 29; Kiyokawa, December 31; Koeln, December 28; Kota Radja, December 28; Port Darwin, December 23; Quaker City, December 29; Scanpenn, December 23; Steel Engineer, December 21; Thode Fagelund, December 21; Unicol, December 30

ACID, CHROMIC, FLAKE—20 dms, Port Darwin, Sydney
ALCOHOL, BUTYL—9 dms, Port Darwin, Sydney; (Unicol) 24 dms, Sydney; 3 dms, Melbourne
ALUMINA SULPHATE — 1,000 bgs, Barbara, San Juan
AMYL ACETATE—31 dms, Port Darwin, Sydney
AMMONIA NITRATE—75 dms, Kota Radja, Batavia
ANTI-KNOCK COMP—(Examiner) 40 dms, Algiers; 20 dms, Hussein Bay; 5 dms, Steel Engineer, Alexandria
BENZOL—75 pkgs, Anita, Buenos Aires
BLACK, BONE—20 bgs, Port Darwin, Sydney; 10 bgs, Scanpenn, Gothenburg
BRAKE FLUID, HYDRAULIC—1 dm, Thode Fagelund, Sao Paulo
BUTYL ACETATE — (Port Darwin) 50 dms, Sydney; 36 dms, Melbourne; 5d dms, Adelaide; (Unicol) 57 dms, Sydney; 45 dms, Melbourne
CEMENT, FIBER—4 dms, Thode Fagelund, Sao Paulo; 1 dm, Fernmoor, Bucharest
RUBBER—4 dms, Thode Fagelund, Sao Paulo
WATERPROOF—25 dms, 17 ctns, Scanpenn, Copenhagen
CHEMICALS—1 dm, Port Darwin, Sydney; 2 cs, Examiner, Casablanca; 9 cs, Steel Engineer, Calcutta
DEODORANTS—6 ctns, Scanpenn, Gothenburg
DICHLORODIFLUOROMETHANE — 6 cyls, Scanpenn, Stockholm
ETHYL ACETATE—6 dms, Port Darwin, Sydney
FLUID—(Fernmoor) 48 dms, Haifa; 67 dms, Beyrouth
FILTER SAND—250 bgs, Fernmoor, Lisbon
GREASE, LUBRICATING—(Port Darwin) 3 bbls, 2 dms, Sydney; 68 pls, 2 cs, Melbourne; 12 cs, 4 qtr dms, 6 dms, City of Manila, Fremantle; 12 cs, 4 dms, 6 ctns, Birmania, Durrazo; 1 pl, 1 cs, 1 dm, Thode Fagelund, Sao Paulo; 2 dms, Fernmoor, Bucharest
TANNING—1 bbl, Port Darwin, Melbourne
GUM, SYNTH—(Port Darwin) 6 dms, Sydney; 2 bxs, 8 dms, Melbourne
INSECTICIDE—1 dm, 1 bx, Port Darwin, Melbourne
LACQUER—11 cs, Steel Engineer, Alexandria
THINNER—4 dms, Steel Engineer, Alexandria
LARD—(Quaker City) 50 trcs, Manchester; 50 trcs, Glasgow
LICORICE PASTE—60 cs, Port Darwin, Melbourne; 10 cs, Scanpenn, Helsingfors
LINSEED CAKE—(Quaker City) 1,242 bgs, Liverpool; 308 bgs, Belfast
MEAL—1,000 bgs, Quaker City, Belfast
MAGNESIA, CALC—1 bx, Scanpenn, Stockholm
MEDICINAL PREPS—40 bxs, Steel Engineer, Bombay
OIL, LUBRIC—(Examiner) 40 dms, Casablanca; 10 dms, Oran; 55 dms, Algiers; 20 dms, Bona; (Port Darwin) 10 dms, 1,224 pkgs, Brisbane; 154 dms, 26 ctns, 749 pkgs, Sydney; 47 dms, 1 bbl, 1 crate, 200 pls, 25 qtr dms, 1,455 pkgs, Melbourne; 20 dms, 200 pkgs, Adelaide; 3 dms, Fremantle; 5 pkgs, Hobart; 15 pkgs, Townsville; 18 pkgs, Cairns; 18 pkgs, Rockhampton; (Scanpenn) 25 dms, Gothenburg; 17 dms, 36 bbls, Gdynia; 364 pkgs, Helsingfors; (Steel Engineer) 65 dms, Karachi; 220 dms, Bombay; 10 dms, Calcutta; (City of Manila) 585 pkgs, 20 dms, Brisbane; 1,611 pkgs, Sydney; 10 bbls, 100 dms, 191 pkgs, Melbourne; 76 dms, 695 pkgs, Fremantle; 653 pkgs, Adelaide; 585 pkgs, Brisbane; 130 pkgs, Newcastle; (Koeln) 1 pkg, Bremen; 4,324 pkgs, Hamburg; (Kota Radja) 140 dms, 10 cs, 75 pkgs, Penang; 187 pkgs, Singapore; 878 pkgs, Batavia; 58 pkgs, Macassar; 100 pkgs, Pangal Penang; 368 pkgs, Palembang; 300 pkgs, Medan; 71 pkgs, Padang; 11 pkgs, Port Swettenham; 26 pkgs, Sibolga; 69 pkgs, Menado; 802 pkgs, Semarang; 750 pkgs, Sourabaya; 380 pkgs, Batavia; (Birmania) 72 bbls, Genoa; 139 ctns, 25 dms, Durrazo; 77 dms, 38 bbls, 8 cs, Bos Brod; 187 dms, 1 cs, Zagreb; (Thode Fagelund) 790 pkgs, Porto Alegre; 7 dms, Sao Paulo; (Quaker City) 100 dms, Liverpool; 21 dms, Dublin; 6 dms, Belfast; (Unicol) 150 dms, 58 pkgs, Melbourne; 13 pkgs, Cairns; 5 pkgs, Hobart; 8 pkgs, Launceston; 20 pkgs, Adelaide; 35 pkgs, Brisbane; 2,567 pkgs, Sydney; 3 dms, Fernmoor, Bucharest
PAINT—1 cs, Port Darwin, Sydney; 34 dms, 70 pls, 1 cs, Thode Fagelund, Sao Paulo; 4 cs, Fernmoor, Bucharest
PARAFFIN—65 bbls, Scanpenn, Copenhagen; 42 pkgs, Koeln, Hamburg; 170 bbls, Kiyokawa, Tientsin
SEMI-REFINED—510 bgs, Kiyokawa, Tientsin
PASTE—39 ctns, Steel Engineer, Calcutta
PETROLATUM—(Port Darwin) 55 dms, Brisbane; 10 dms, Sydney; 8 dms, Adelaide; 12 dms, Quaker City, Manchester
PITCH—272 dms, Quaker City, Sheffield
POLISH, AUTO—2 ctns, Birmania, Durrazo; 1 pl, Thode Fagelund, Sao Paulo
PUTTY, AUTO-TOP—1 ctn, Birmania, Durrazo
RESIN, COALTAR—2 dms, Scanpenn, Stockholm
SYNTHETIC—1 dm, Quaker City, Glasgow
SHELLAC—1 cs, Port Darwin, Sydney
ORANGE—1 pl, Thode Fagelund, Sao Paulo
SOAP, LAUNDRY—300 bxs, Quaker City, Glasgow
SODA, ASH—(Port Darwin) 3 dms, Sydney; 1 dm, Melbourne; 1 dm, Scanpenn, Gothenburg
TANNING EXTRACT—(Port Darwin) 7 bbls, 2 dms, Sydney; 1 dm, Melbourne; 10 bbls, Quaker City, Belfast
MATERIAL—(Port Darwin) 9 bbls, Sydney; 24 bbls, Melbourne
TOLUOL—4 pkgs, Anita, Buenos Aires
VARNISH—1 dm, Port Darwin, Sydney

Port Arthur Exports
Clearance Dates

Anhalt, December 16; Arminda, December 20; Benedick, December 18; South America, December 21

ASPHALT—(Anhalt) 75 cs, Auckland; 1,054 dms, 10 cs, Wellington; 210 dms, 10 cs, Lyttelton; (Arminda) 10 cs, 7 dms, Port au Prince; 5 bbls, Ciudad Trujillo
LIQUID—(Arminda) 2 bxs, Port au Prince; 1 bx, Cuidad Trujillo; 99 dms, Barranquilla
PETROLEUM—11 bxs, Arminda, Kingston
SOLID—1,650 dms, Arminda, Barranquilla
GASOLINE—(Arminda) 352 bbls, Nuevitas; 500 bbls, Kingston; 450 bbls, Port au Prince; 100 cs, St Marc; 100 bbls, San Pedro de Macoris; 139 bbls, Ciudad Trujillo; 700 dms, Maracaibo; 59,889 bbls, South America, Antwerp
GREASE, LUBRIC—(Anhalt) 35 dms, 30 cs, Auckland; 10 dms, 15 cs, Wellington; (Arminda) 40 dms, 12 cs, Kingston; 11 dms, 25 cs, Port au Prince; 2 dms, 7 cs, Puerto Plata; 43 dms, 4 bbls, La Romana; 6 dms, San Pedro de Macoris; 10 dms, 45 cs, Ciudad Trujillo; 2 dms, 7 cs, Azua; 22 dms, Barranquilla; 5 cs, South America, Antwerp
KEROSENE — (Anhalt) 2,000 cs, Auckland; 1,000 cs, Lyttelton; 500 cs, Dunedin; (Arminda) 520 cs, Port au Prince; 1,000 cs, St Marc; 1,200 cs, Puerto Plata; 1,050 cs, San Pedro de Macoris; 4,050 cs, Ciudad Trujillo; 800 cs, Azua; 5,573 bbls, South America, Antwerp
OIL, DIESEL—(Anhalt) 500 dms, Auckland; 350 dms, Wellington; 350 dms, Dunedin; 25 dms, Arminda, Ciudad Trujillo; 3,347 bbls, South America, Antwerp
GAS, LIGHT—3,309 bbls, South America, Antwerp
LUBRICATING—(Anhalt) 521 dms, 489 cs, Auckland; 369 dms, 61 cs, Wellington; 132 dms, 45 cs, Lyttelton; 235 dms, 25 cs, Dunedin; (Arminda) 50 cs, Nuevitas; 5 dms, 10 cs, Kingston; 39 dms, 79 cs, Port au Prince; 5 dms, 45 cs, Puerto Plata; 188 dms, La Romana; 26 dms, 10 cs, San Pedro de Macoris; 113 dms, 265 cs, Ciudad Trujillo; 11 dms, 2 cs, Azua; 5 dms, South America, Antwerp
PAINT, PREPARED—3 dms, Arminda, Port au Prince
SOLVENT—(Anhalt) 25 dms, 50 cs, Auckland; 80 dms, 50 cs, Wellington; 50 dms, 500 cs, Dunedin
PARAFFIN—(Anhalt) 150 cs, Auckland; 75 cs, Wellington; (Arminda) 60 bgs, Port au Prince; 20 bgs, Puerto Plata; 10 bgs, Ciudad Trujillo
PETROLEUM, CRUDE—76,792 bbls, Benedick, Bordeaux
SOLVENT, CLEANING—30 bbls, Arminda, Kingston

San Francisco Exports
Clearance Dates

Baldhill, December 14; Cellina, December 16; City of Florence, December 13; City of Newport News, December 16; Evanger, December 13; Florida, December 16; Granville, December 14; Hauraki, December 15; Heranger, December 16; Kiyokawa, December 12; La Placentia, December 14; Loch Goil, December 15; Pacific Reliance, December 10; San Clemente, December 11; Sandhamm, December 16; San Luis, December 13; San Mateo, December 15; Silverpalm, December 14; W B Walker, December 12

ACETYLENE—3 cyls, Hauraki, Papeete
ACID, BORIC—20 sks, Hauraki, Auckland
FATTY—(Florida) 50 sks, Costa Rica; 390 sks, Ecuador
SULPHURIC—12 crbys, City of Florence, Philippine Islands
AMMONIA, ANHYDR—32 cyls, Florida, Chile
CARBONATE—2 cs, Hauraki, Papeete
APRICOT KERNELS—275 sks, Loch Goil, Holland
ASPHALT—10 dms, Evanger, Peru; (Silverpalm) 100 bdls, 2,000 bbls, Capetown; 707 dms, 150 bdls, 12 sks, Durban; 304 dms, Port Elizabeth; (Granville) 24 bbls, Hongkong; 1,924 dms, Manila; 15 bbls, 13 dms, La Placentia, Panama; 4,303 dms, Hauraki, Melbourne; 85 dms, Florida, Chile
GILSONITE—225 sks, Cellina, Italy
PRIMER—10 cs, La Placentia, Colon
BENZIN—(Hauraki) 25 dms, Wellington; 90 dms, Melbourne
BLACK, CARBON—37 cs, Hauraki, Auckland
LAMP—10 cs, Hauraki, Melbourne
BLEACHING POWDER—1 dm, Hauraki, Papeete
BONEMEAL—25 sks, Granville, Cebu
BORAX—(Hauraki) 30 sks, Auckland; 2 cs, Papeete
CARAWAY SEED—2 sks, City of Florence, China
CARBONIC GAS—12 cyls, Hauraki, Papeete
CEMENT, ASBESTOS—20 sks, Hauraki, Wellington
LINOLEUM—20 cs, Evanger, Peru
ROOF—(Silverpalm) 2 cs, Walvis Bay; 8 dms, Capetown; 400 pls, 68 cs, 3 dms, Durban; 21 cs, 20 pls, East London; 3 cs, Granville, Cebu; 50 pls, Florida, Chile
VULCANIZING—(Silverpalm) 2 cs, Capetown; 2 cs, Beira; 2 cs, Durban
CHEMICALS—12 cs, City of Florence, Philippine Islands; 1 dm, Florida, Costa Rica
CHLORINE BLEACH, LIQ—18 cs, Hauraki, Papeete
CINNAMON—(Florida) 100 bls, Ecuador; 1 bl, Costa Rica
CLEANER—(La Placentia) 3 cs, Panama; 1 cs, Colon; 5 cs, Hauraki, Papeete
COALTAR—2 cs, Hauraki, Papeete
COLOR, DRY—1 cs, Silverpalm, Durban; 6 cs, 44 dms, San Mateo, Colombia
COPRA—51 tons, Kiyokawa, Panama; 1,535 sks, Florida, Chile
DIATOMACEOUS EARTH—60 sks, Silverpalm, Beira
DISINFECTANT—(Hauraki) 2 dms, Auckland; 2 dms, Wellington
FLY SPRAY—(La Placentia) 2 cs, Panama; 6 cs, Colon
GASOLINE—381 dms, 440 cs, Hauraki, Papeete; 4,000 dms, Sandhamm, Yokohama
AVIATION—17,700 bbls., W B Walker, Sydney-Melbourne
GRINDING COMP—1 cs, Hauraki, Papeete
GREASE, LUBRIC—(City of Florence) 2 cs, Philippine Islands; 1 cs, China; 6 dms, 2 pls, 8 cs, Silverpalm, Durban; 70 dms, Granville, Fremantle; (La Placentia) 10 pls, Balboa; 2 dms, 6 half dms, 2 qtr dms, 21 pls, 82 cs, Panama; 2 pls, Cristobal; 2 pls, 3 cs, Colon; (Hauraki) 27 dms, Auckland; 5 cs, Papeete; 3 bbls, Florida, Peru
GYPSUM, CALC—2 sks, Silverpalm, Johannesburg
HOPS—3 cs, Hauraki, Papeete
HYDROGEN, PEROXIDE—(Hauraki) 76 cs, Auckland; 160 cs, Wellington
INSECTICIDE—2 cs, Hauraki, Papeete
AGRICULTURAL—31 dms, Silverpalm, Capetown
KEROSENE—2,100 bbls, W B Walker, Sydney-Melbourne; 440 tons, Granville, Hongkong; 3,000 cs, La Placentia, Panama; 411 cs, Hauraki, Papeete
LACQUER—(Silverpalm) 46 cs, Capetown; 22 cs, Durban; 11 cs, Johannesburg; 184 cs, Port Elizabeth; 41 cs, East London; (Hauraki) 16 cs, Auckland; 7 cs, Wellington; 9 cs, Christchurch; 1 cs, Cellina, Panama
THINNER—(Silverpalm) 56 pls, 24 dms, 1 cs, Capetown; 20 dms, Durban; 2 dms, Johannesburg; 46 dms, 5 cs, 35 pls, Port Elizabeth; 20 pls, Cellina, Panama
LEAK PREVENTATIVE—5 cs, La Placentia, Panama
LITHOPONE—8 bbls, Hauraki, Wellington
MEDICINAL PREPS—2 cs, Silverpalm, Capetown; 4 cs, Hauraki, Papeete
METHYL FORMATE—1 dm, Hauraki, Sandringham
MINERAL SPTS—10 cs, La Placentia, Panama; 40 dms, Florida, Chile
MOTOR SPTS—(W B Walker) 73,000 bbls, Sydney-Melbourne; 10,500 bbls, Suva
NAPHTHA — 1 dm, Silverpalm, Capetown; (Hauraki) 30 cs, Auckland; 70 dms, Sydney
OIL, BATCHING—6,550 bbls, W B Walker, Sydney-Melbourne
CHINAWOOD—1 dm, Hauraki, Melbourne
COCONUT—65 dms, Florida, Ecuador
CYLINDER—10 dms, La Placentia, Panama
DIESEL—5,200 bbls, W B Walker, Suva; 59,636 bbls, San Luis, Japan; 3,078 bbls, Hauraki, Papeete
ENGINE—10 cs, Hauraki, Papeete
FISH, HARDENED—20 sks, Florida, Ecuador
FUEL—50,000 bbls, La Placentia, Balboa
LINSEED—5 kgs, 2 pls, Hauraki, Papeete
LUBRICATING—2,260 bbls, W B Walker, Sydney-Melbourne; 516 bbls, City of Florence, China; (Silverpalm) 106 cs, 412 dms, Durban; 20 cs, 61 dms, Capetown; 35 cs, 55 dms, Port Elizabeth; 170 cs, 10 dms, Beira; 200 cs, 40 dms, Lourenco Marques; 40 cs, East London; (Granville) 50 dms, Manila; 225 dms, Singapore; 105 dms, Medan; 7 dms, Samarang; 585 dms, Bangkok; 10 dms, Iloilo; 600 dms, Manila; 10 dms, Sourabaya; 315 dms, Fremantle; (La Placentia) 45 dms, 221 cs, 4 qtr dms, 60 pls, Panama; 6 dms, 8 pls, Cristobal; 5 dms, 7 cs, Colon; 190 dms, San Mateo, France; (Hauraki) 60 dms, Sydney; 5 dms, Auckland; 30 dms, Wellington; 70 dms, Melbourne; 4 dms, Papeete; (Florida) 11 dms, Peru; 6 dms, Chile; 100 dms, Sandhamm, Shanghai
NAPTHENIC—246 dms, Heranger, Holland
RESIN, SYNTH—2 dms, Hauraki, Melbourne
TRANSFORMER—70 dms, Sandhamm, China
WINTERGREEN—1 cs, Cellina, Guatemala
OXYGEN—5 cyls, Hauraki, Papeete
PAINT—8 cs, Pacific Reliance, Vancouver; 6 cs, 5 pls, Evanger, Peru; (Silverpalm) 5 dms, 1 cs, 60 pls, Capetown; 6 cs, Johannesburg; 3 dms, 127 cs, 99 pls, Durban; 40 pls, 10 cs, Port Elizabeth; 8 cs, Beira; 26 cs, 20 pls, East London; 1 cs, Mossel Bay; 221 cs, San Mateo, Colombia; (Hauraki) 2 cs, Wellington; 26 cs, Papeete; (City of Newport News) 25 cs, Panama; 5 dms, Barranquilla
ALUMINUM—3 cs, Granville, Cebu
ENAMEL—(Silverpalm) 18 cs, Capetown; 2 cs, Durban; 5 cs, Port Elizabeth; 4 cs, Beira; (Hauraki) 2 cs, Auckland; 11 cs, Wellington; 4 cs, Christchurch; 2 cs, Papeete
LIQUID—37 cs, Granville, Cebu
PASTE—3 cs, Hauraki, Papeete
PREPARED—11 cs, Hauraki, Papeete
REMOVER—2 cs, Granville, Cebu
THINNER—(Silverpalm) 3 cs, Capetown; 3 pls, Port Elizabeth; 1 dm, Beira; 7 cs, Hauraki, Papeete
PEPPER—1 sk, Cellina, Guatemala
PETROLEUM—50 cs, City of Florence, China; (Silverpalm) 1 dm, Durban; 25 dms, Capetown; 125 dms, Durban; (Granville) 45 bbls, Batavia; 5 bbls, 20 cs, Samarang; (Hauraki) 20 dms, Auckland; 50 cs, Wellington; 135 dms, Sydney; 20 dms, Melbourne; 3 dms, Papeete
CRUDE—75,000 bbls, San Clemente, Japan; 13,500 bbls, San Luis, Japan; 65,361 bbls, Baldhill, Vancouver
GAS, LIQ—1 cyl, Hauraki, Papeete
PRODUCTS—1 cs, Granville, Saigon
REFINED—150 dms, Hauraki, Sydney
THINNER—(Silverpalm) 800 dms, Capetown; 60 dms, Lourenco Marques; 50 dms, 55 cs, Port Elizabeth; 50 dms, 45 cs, East London; 305 dms, 10 cs, Durban; 4,500 bbls, W B Walker, Sydney-Melbourne
PINETAR—5 cs, Hauraki, Papeete
POLISH—(Silverpalm) 7 cs, Capetown; 2 cs, 3 pls, Port Elizabeth; 1 cs, Hauraki, Wellington
PUTTY—(Silverpalm) 10 cs, Capetown; 13 cs, Port Elizabeth; (Hauraki) 2 cs, Auckland; 9 cs, Wellington; 2 pls, 1 cs, Christchurch
PYRETHRUM EXTRACT — 1 cs, Cellina, Guatemala
RESIN, SYNTH—1 dm, Hauraki, Melbourne
ROSIN—15 bbls, Hauraki, Auckland
GUM—15 bbls, Hauraki, Wellington
RUBBER LINING COMP—5 dms, Hauraki, Wellington
SALT—69 pkgs, 6 bls, 95 sks, Hauraki, Papeete
SHELLAC—3 cs, Hauraki, Papeete
SOAP—2 cs, Hauraki, Papeete; 234 cs, City of Newport News, Balboa
LAUNDRY—500 cs, City of Newport News, Curacao
MEDICATED—1 cs, Hauraki, Papeete
SCOURING—3 cs, Hauraki, Papeete
SODA, BICARBONATE—10 kgs, Hauraki, Papeete
CAUSTIC—14 dms, Kiyokawa, Nicaragua; (Florida) 1 dm, Costa Rica; 31 dms, Nicaragua
SOLVENT, PETROLEUM—25 dms, La Placentia, Panama; (Hauraki) 2 dms, Wellington; 1 dm, Christchurch
TOILET PREPS—8 cs, City of Florence, Philippine Islands; (Hauraki) 2 cs, Wellington; 1 cs, Papeete; 28 cs, Kiyokawa, Peru
TURPENTINE—1 cs, Hauraki, Papeete
GUM—(Hauraki) 50 cs, Auckland; 75 cs, Wellington; 15 cs, Westport; 1 cs, Papeete
VARNISH—1 dm, 3 cs, Hauraki, Auckland
ZINC DUST—20 cs, Silverpalm, Mombasa; 317 dms, Granville, Manila

Savannah Exports
Clearance Dates

City of Bedford, December 30; Mapia, December 29; Mayari, December 29

DISINFECTANT—(Mapia) 9 dms, Batavia; 5 dms, Palembang; 10 dms, Sourabaya
ROSIN, GUM—275 bbls, City of Bedford, Tientsin
WOOD—(City of Bedford) 90 bbls, Hongkong; 150 bbls, Shanghai; (Mapia) 200 bbls, Batavia; 200 bbls, Cheribon; 250 bbls, Semarang

Tampa Exports
Clearance Dates

Cuba, December 21; Maria, December 20

COALTAR—1 dm, Cuba, Havana
INSECTICIDE—1 can, Cuba, Havana
PHOSPHATE—(Maria) 2,102 tons, Fiume; 2,200 tons, Venice
SODA, BICARBONATE—2 ctns, Cuba, Havana
WELDING COMP—1 bx, Cuba, Havana

Coastwise Shipments

Corpus Christi Coast Trade

GASOLINE—80,747 bbls, R P Smith, Baytown; 94,064 bbls, Pan New York, Baytown; 74,080 bbls, W W Mills, Baytown; 70,430 bbls, C A Canfield, Baytown; 107,634 bbls, Vistula, Baytown
OIL, FUEL—46,632 bbls, Kekoskee, Sewaren N J; 76,270 bbls, Cities Service, Kansas, Philadelphia; 60,947 bbls, Swiftsure, Sewaren N J; 64,676 bbls, Joseph Seep, Baytown
GAS—75,953 bbls, Sunbeam, Carteret N J; 43,908 bbls, Dixiano, Carteret N J; 18,275 bbls, Swiftsure, Sewaren, N J
PETROLEUM, CRUDE — 28,831 bbls, Teddy, Flushing; 46,629 bbls, Thermo, Texas City; 95,500 bbls, Cities Service Boston, Philadelphia; 67,956 bbls, Pennsylvania, Port Neches; (Federal) 61,865 bbls, Houston; 32,143 bbls, Baytown; 71,733 bbls, Ario, New York; 135,996 bbls, Beta, Texas City; 74,481 bbls, Cities Service Ohio, New York; 55,098 bbls, Henry M Dawes, Texas City; 107,342 bbls, E T Bedford, Baytown; 55,082 bbls, Cities Service Fuel, Boston; 112,353 bbls, Walter Jennings, Baytown; 71,777 bbls, Hagood, Baytown; 21,158 bbls, Amsco, New York; 54,379 bbls, Paco, Texas City; 64,775 bbls, Hadnot, Philadelphia; 95,448 bbls, Tidewater Associated, Baytown; 109,555 bbls, James McGee, Baytown; 52,241 bbls, Ruth Kellogg, Philadelphia; 142,123 bbls, W S Farish, Baytown; 65,594 bbls, Alpha, Baytown; 142,106 bbls, G Harrison Smith, Baytown; 148,439 bbls, Wm Rockefeller, Baytown
DISTILLATE—25,975 bbls, Amsco, New York

Galveston Coast Trade

SULPHUR — (Herman Frasch) 1,200 tons, Bellingham; 1,150 tons, Port Angeles; 2,000 tons, Hoquiam; (Henry D Whiton) 950 tons, Port Angeles; 650 tons, Oakland

Cargo Ship Arrivals
December 31 to January 13

New York

Ada	Lisbon	Jan 4
Alamar	Portland	Jan 11
Alex Van Opstal	Antwerp	Jan 5
American Importer	Manchester*	Jan 9
American Merchant	London	Jan 9
American Trader	London*	Jan 3
Ancon	Cristobal*	Jan 3
Andania	Liverpool*	Jan 3
Anna Maersk	Manila*	Jan 10
Argentina	Buenos Aires*	Jan 8
Ascania	Havre*	Jan 10
Astrea	Maracaibo*	Jan 9
Bacchus	Ciudad Bolivar*	Jan 1
Basil	Bahia*	Jan 6
Black Falcon	Rotterdam*	Jan 5
Black Heron	Rotterdam*	Jan 11
Borinquen	Trujillo*	Jan 2
Boston City	Swansea*	Jan 5
Bronxville	Sundsvall	Jan 2
Cameronia	Glasgow*	Jan 1
Castilla	Puerto Barrios*	Jan 2
City of Athens	Penang*	Jan 10
City of Corinth	Calcutta*	Jan 11
City of New York	Capetown*	Jan 3
City of Newport News	San Francisco*	Jan 2
Coamo	Trujillo*	Jan 9
Consuelo	Hull*	Jan 2
Conte Di Savoia	Genoa*	Jan 5
Cubano	Buenos Aires*	Jan 3
Cypria	Marseilles*	Jan 9
Dakotan	Portland*	Jan 12
Eastern Prince	Buenos Aires*	Jan 5
Edward Luckenbach	Seattle*	Jan 5
Emergency	Portland*	Jan 11
Excalibur	Jaffa*	Jan 5
Exchange	Bourgas*	Jan 3
Executive	Constanza*	Dec 31
Exiria	Izmir*	Jan 9
Ewa	Honolulu*	Jan 10
Flomar	Bradwood*	Jan 12
Fort Townshend	Trinidad*	Jan 5
Franconia	Southampton*	Jan 2
Frida	Valparaiso*	Jan 3
Gerolstein	Antwerp	Jan 2
Giulia	Genoa*	Jan 9
Gran	Lisbon*	Jan 1
Guayaquil	Port au Prince*	Jan 9
Hawnby	Port Alberni*	Dec 31
Heffron	Portland*	Jan 11
Hegira	San Francisco	Jan 3
Ida	Trieste*	Jan 3
Imperial	Antwerp*	Jan 8
Independence Hall	Dunkirk*	Jan 3
Ilsenstein	Antwerp	Jan 12
Jamaica	Port Limon*	Jan 2
Julia Luckenbach	Seattle*	Jan 12
Kaimata	Dunedin*	Jan 1
Kongo	Singapore*	Jan 6
Lages	Santos*	Jan 11
Lucia C	Trieste*	Jan 9
Luna	Maracaibo*	Jan 6
Malabar	Calcutta*	Dec 31
Malancha	Calcutta*	Jan 13
Medea	Maracaibo*	Jan 2
Mexico	Vera Cruz*	Jan 1
Mormacrey	Buenos Aires*	Jan 13
Mormacsul	San Pedro*	Jan 3
Mormacsun	Wiborg*	Jan 7
Munargo	Havana*	Jan 5
Nagara	Manila*	Jan 10
Nebraskan	Tacoma*	Jan 10
New Brunswick	Lagos*	Jan 6
Noordam	Rotterdam*	Jan 1
Norderney	Rosario*	Jan 5
Orizaba	Vera Cruz*	Jan 8
Panuco	Tampico*	Jan 10
Paris	Havre*	Jan 11
Pastores	Puerto Barrios*	Jan 5
Pennland	Antwerp*	Jan 4
Port Halifax	Adelaide*	Jan 10
President Harding	Hamburg*	Dec 31
President Roosevelt	Hamburg*	Dec 31
Ravnaas	Rosario	Jan 3
Sage Brush	Los Angeles	Jan 9
San Bernardino	Portland*	Jan 6
San Jacinto	La Romana*	Jan 2
Santa Clara	San Antonio*	Jan 3
Santa Elena	Curacao*	Jan 9
Santa Maria	San Antonio*	Jan 9
Santa Paula	Curacao*	Jan 3
Scanyork	Gdynia*	Jan 11
Seatrain Havana	New Orleans*	Jan 10
Seatrain New York	New Orleans*	Jan 3
Siantar	Macassar*	Jan 7
Silverpine	Singapore*	Dec 31
Silveray	Singapore*	Jan 7
Steel Navigator	Singapore*	Jan 12
Tabinta	Macassar*	Jan 10
Tai Ping Yang	Manila*	Jan 3
Talamanca	Puerto Colombia*	Jan 5
Texan	Portland*	Jan 6
Tokai	Dairen*	Jan 3
Trentbank	Calcutta*	Jan 9
Tunaholm	Gothenburg	Jan 8
Uruguay	Buenos Aires*	Jan 10
Velox	Buenos Aires*	Jan 5
Veragua	Port Limon*	Jan 5
Vincent	Dundee	Jan 7
Volendam	Rotterdam*	Jan 10
Ward	Adelaide*	Jan 11
Washington	Hamburg*	Jan 5
Wichita	Koilthattam	Jan 9

* And other ports

Los Angeles Coast Trade

GASOLINE — 22,494 bbls, Dirigo, Aberdeen; 68,505 bbls, Mojave, San Francisco; 3,081 bbls, San Diegan, San Diego; 74,762 bbls, W S Miller, Richmond; 3,779 bbls, Kanawha, San Diego; 9,841 bbls, San Diegan, San Diego; 37,565 bbls, Edwin B de Golio, San Francisco
KEROSENE—2,013 bbls, Dirigo, Aberdeen
OIL, DIESEL—4,992 bbls, Mojave, San Francisco; 2,372 bbls, Coast Shipper, Seattle
FUEL—3,500 bbls, Mojave, San Francisco; 2,820 bbls, Coast Merchant, Portland; 51,858 bbls, Kanawha, San Diego; 49,313 bbls, Topila, Avon
FURNACE—2,325 bbls, Mojave, San Francisco
PETROLEUM, CRUDE — 66,597 bbls, M H Whittier, Avon

New Orleans Coast Trade

OIL, LINSEED, BOILED — 1 dm, Pawnee, Tampa
OLIVE—80 cs, 5 dms, Pawnee, Tampa

Recent Charters

PETROLEUM—9,000 tons, S S Mirlo, dirty, Gulf to Bordeaux-Hamburg; February
4,236 tons, S S Edward L Doheny, kerosene, Gulf to North of Hatteras, 28½c barrel; January
9,000 tons, S S Teakwood, dirty, Gulf to United Kingdom, 10s 3d; Havre, 10s 9d; January 25
4,159 tons, S S Matinicock, dirty, Gulf to North of Hatteras, 23c, 24c and 25c barrel; January
3,114 tons, Strosten, clean, Aruba to United Kingdom, Continent, 9s 6d; January-February
3,804 tons, S S G W Barnes, 20 minimum crude, Gulf to North of Hatteras, 25c barrel; January
3,966 tons, S S Lise, clean, California to North China, two trips, 18s 6d; January-February

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug act, or did not comply with other customs regulations, included the following articles for the reasons stated:—

New York
Week Ended January 4

Carob beans, 250 cases; wormy.
Chlorophyl, 1 case; restricted use.
Cocoa, 467 pounds; water damaged.
Codliver oil, 13 drums; deficient in Vitamin D.
Cod oil, 100 casks; restricted use.
Cornmint oil, 2 cases; restricted use.
Medicinal preparations, 6 packages; new drug.
Medicinal preparations, 3 packages; false therapeutic claims.
Nutmegs, 271 bags; restricted use.
Thyroid, ampuls, tablets, 2 cases; contain undeclared chlorbutanol falsely labeled as to fresh thyroid content.

Baltimore
Week Ended January 4

Caraway seed, 200 bags; partially exhausted product.

Los Angeles
Week Ended December 22

Medicinal preparations, 60 pieces; false therapeutic claims; decomposed (moldy).
Medicinal preparations, 50 pieces; acetphenetidin not declared.
Medicinal appliance, 1 case; dangerous to health; new drug.

Philadelphia
Week Ended January 4

Codliver oil, 5 drums; deficient in Vitamin D.
Coriander seed, 200 bags; filthy.
Pepper, black, 84 bags; contains excess siftings and foreign matter.

Czech Products Given Revised Tariff Status

OPD Washington Bureau
January 4, 1939

Products of former Czechoslovakian areas now under Polish or Hungarian control shall be regarded as products of Poland or Hungary for purposes of the 1930 tariff act, the Bureau of Customs has ruled. The ruling is effective on and after December 30, 1938, for determining dates of exportation of products.

Chemical Awards by U.S. In 1938 Totaled $32,329,230

Of the 11,614 contracts, valued at $699,114,343, reported to the Division of Public Contracts as having been awarded to contractors throughout the United States and its territories, containing agreements to comply with the stipulations of the Walsh-Healey public contracts act, Secretary of Labor Frances Perkins reported that 1,607 contracts, valued at $102,548,845.38, were for asphalt, coal and petroleum products; and that 524 contracts, valued at $32,329,230.31, were for chemicals and allied products.

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c. for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

OLD ESTABLISHED firm, highest references, is interested in obtaining domestic agencies for the sale of raw materials and chemicals to the plating, case-hardening, match, rayon, steel, dye, paint, mining, paper, and disinfectant industries—both domestic and foreign. Prepared either to buy for own account or sell on commission basis. BOX 229, Oil, Paint and Drug Reporter.

EXPORT SERVICES—Export-import firm, financially responsible and successful, 15 years in business, wishes to represent out-of-town manufacturer not having New York office for export. BOX 232, Oil, Paint and Drug Reporter.

OLD ESTABLISHED corporation manufacturing and distributing refined chemicals in New York territory would be interested in exclusive representation of new items for distribution in this section. Have facilities for storage and reconditioning. BOX 237, Oil, Paint and Drug Reporter.

ESTABLISHED MIDWEST firm would be interested in representing A-1 producers of pigments, oils, chemicals or other raw materials. BOX 247, Oil, Paint and Drug Reporter.

Equipment Offered

CONSOLIDATED OFFERS—Ten No. 3 Rotex sifters, motor driven; two 24-inch Mikro pulverizers; twelve vacuum dryers, shelf and rotary type; nine W. & P. mixers; five Sweetland filters; twenty plate type filter presses; thirty centrifugal machines; miscellaneous; rotary dryers, pulverizers, jacketed kettles, etc. Send for complete listing. We buy and sell from a single item to a complete plant. Consolidated Products Co., Inc., 15-17-19 Park Row, New York City.

Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FOR SALE.—One belt driven 12 inches by 30 inches water cooled Kent roller mill. BOX 233, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY—Two story, 9,000 sq. ft., concrete floors, good headroom, elevator, live steam available, railroad siding, yard. Unrestricted district—15 minutes from Manhattan. Low rent. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

Positions Vacant

YOUNG MAN familiar with import terms, cables, etc. Preferably with experience in handling gums, spices, crude drugs, essential oils. State age, religion, experience and salary expected. BOX 248, Oil, Paint and Drug Reporter.

Positions Wanted

EXPORT EXECUTIVE, 37, large experience Latin America, perfect Spanish, excellent connections, capable organizing new export product business, desires position. BOX 230, Oil, Paint and Drug Reporter.

YOUNG CHEMIST, college graduate, specialized in manufacture of paints, varnish, lacquers, wants position as laboratory assistant or plant assistant; good references; experience more important than salary. BOX 236, Oil, Paint and Drug Reporter.

Positions Wanted

PAINT MAN—Young man, 10 years' varied experience, plant, production, sales, desires place with small progressive outfit. BOX 238, Oil, Paint and Drug Reporter.

SUPERINTENDENT PRODUCTION and maintenance. Distillation coal tar oils, petroleum, tar acids, naphthalene. Experienced on intermediates, dyes, dry colors, printing inks. Graduate chemical engineer. Handle men successfully. Twenty years' experience. BOX 239, Oil, Paint and Drug Reporter.

RESPONSIBLE POSITION, New York headquarters, 20 years' advertising, technical, administrative, financial experience and education. Also experience in foreign countries, including England. Columbia chemical engineer, N. Y. U. Business Schools. BOX 245, Oil, Paint and Drug Reporter.

VARNISH MAKER—Competent varnish maker seeks new connections. BOX 246, Oil, Paint and Drug Reporter.

CHEMIST, Ph.D., young, personality, plant and research; experienced paint, varnish, protective coatings (corrosion), fatty acids, resins; now department head for leading firm, is looking for new connection. BOX 240, Oil, Paint and Drug Reporter.

SUPERINTENDENT, factory manager and chemist. More than twenty-five years of technical and practical experience in the formulating and manufacture of industrial, maintenance, marine paints and varnishes, shelf goods, architectural finishes for the master painter. BOX 242, Oil, Paint and Drug Reporter.

Positions Wanted

DRY COLOUR, chemist, thoroughly familiar in the printing ink and paint and varnish fields, desires position with reliable firm in either related industries. BOX 243, Oil, Paint and Drug Reporter.

SALESMAN, enterprising, perseverant, desires position with reputable firm. Successful chemical, pharmaceutical sales experience. Former pharmacist. BOX 244, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

Surplus Stock

BUYERS of any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

WE PURCHASE any quantity surplus chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

CHECK INVENTORIES—Cash for any quantity, surplus finished or raw material—chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, wastes and by-products. Entire plants bought. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

YOU'LL BE SURPRISED

at the low prices of Consolidated Guaranteed Good Rebuilt Equipment*. Efficient rebuilding at our 8-Acre Newark Plant enables us to sell at the lowest possible prices.

CONSOLIDATED PRODUCTS CO., Inc.
15-17-19 Park Row, New York City BArclay 7-0600
Plant: Newark, N. J. Cable: EQUIPMENT N. Y.

**See equipment in our classified listings above.*

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any direct office or co-operative office of the bureau, and not to this publication. When writing give the number of the item:—

Acid, formic:—Purchase and agency; Grenoble, France (2).

Acid, oxalic:—Purchase and agency; Grenoble, France (2).

Antimony ores:—Offered for U. S. import; Singapore, Straits Settlements (376).

Black, carbon:—Purchase and agency; Paris, France (52).

Black, carbon:—Purchase and agency; Paris, France (3).

Castor seed:—Offered for U. S. import; Surabaya, Java (369).

Chemicals, industrial:—Purchase and agency; Brussels, Belgium (53).

Chemicals:—Purchase and agency; Paris, France (52).

Chemical, rubber:—Purchase and agency; Paris, France (3).

Clover seed:—Offered for U. S. import; Kaunas, Lithuania (370).

Cosmetics:—Purchase or agency; Cairo, Egypt (44).

Cosmetics:—Agency; Mexico City, Mexico (1).

Dyes:—Purchase; Brussels, Belgium (7).

Druggists' rubber sundries:—Purchase; London, England (34).

Emulsifying products:—Purchase and agency; Brussels, Belgium (53).

Ephedra, crude:—Offered for U. S. import; Calcutta, India (371).

Gambier, cubes:—Offered for U. S. import; Singapore, Straits Setlements (376).

Gelatin:—Purchase; Batavia, Java (51).

Glue:—Purchase; Cartago, Costa Rica (6).

Lead, red:—Purchase; Alexandria, Egypt (36).

Lecithin:—Agency; Purchase and agency; Paris, France (52).

Licorice:—Offered for U. S. import; Bushire, Iran (373).

Nicotine:—Agency; Copenhagen, Denmark (5).

Pharmaceuticals:—Agency; Mexico City, Mexico (1).

Pharmaceuticals:—Purchase and agency; Paris, France (4).

Pigments:—Purchase or agency; Brussels, Belgium (7).

Resins, synthetic:—Purchase; Alexandria, Egypt (36).

Resins, synthetic:—Purchase and agency; Paris, France (52).

Soda ash:—Purchase and agency; Grenoble, France (2).

Soda, caustic:—Purchase and agency; Grenoble, France (2).

Sesame seed:—Offered for U. S. import; Singapore, Straits Settlements (376).

Tapioca flakes:—Offered for U. S. import; Singapore, Straits Settlements (376).

Toilet preparations:—Purchase; Cairo, Egypt (44).

Safety Code Revised

OPD Washington Bureau
January 3, 1939

The American Standard Safety Code for the Protection of Heads, Eyes, and Respiratory Organs has been issued by the National Bureau of Standards as Handbook H24. This supersedes Handbook H2, the scope having been extended to include protection of the lungs from the inhalation of air containing noxious gases, dusts, and fumes. The rules have been revised by a sectional committee according to the procedure of the American Standards Association.

The code first presents general requirements including a classification of the occupations which require protection, after which detailed requirements are given for each group of occupations. Operating rules and specifications for the tests which protectors are required to meet are also included. Finally, a discussion of the rules is given to assist in understanding and in interpreting them.

Copies of the code are obtainable from the Superintendent of Documents, Government Printing Office, Washington, at 15 cents each.

Cities Service Gas Pipeline Company, subsidiary of the Cities Service Company, has called for payment February 28, at 102 and interest, the entire outstanding issue of its first mortgage pipeline 6 percent bonds, due January 1, 1943, at the Guaranty Trust Company, this city.

GUARANTEED
NEW AND REBUILT EQUIPMENT
FOR THE CHEMICAL AND PROCESS INDUSTRIES

FIRST MACHINERY CORP.

419 Lafayette St. FMC New York, N.Y.
LIQUIDATORS APPRAISERS
Cable: EFFEMCY

Corporation Earnings Recently Reported

	Period.	1938 Net income.	1938 Per share.	1937 Net income.	1937 Per share.
Armour & Co. (Ill.)	Year	*$4,288,907	...	$6,000,902	...
Arundel Corp	11 mos.	1,242,256	$2.52	1,060,162	$2.15
Canada Dry Ginger Ale, Inc	Year	691,381	1.12	730,478	1.19
Canadian Industrial Alcohol Co., Ltd.	11 mos.	81,525	.07	545,120	.49
Celotex Corp	Year	518,358	1.19	1,266,753	4.17
Continental Can Co	12 mos.	7,111,429	2.18	.....	...
Dow Chemical Co	4 mos.	1,054,422	1.01	.....	...
Ferro Enamel Corp	9 mos.	40,482	.21	.....	...
Gaylord Container Corp	12 mos.	879,956	1.12	.....	...
Glidden Co	Year	205,597	*.29	2,542,793	2.62
Hygrade Food Products Corp	Year	*422,967	...	*199,497	...
Int'l Petroleum Co., Ltd	Year	28,771,150	1.98	26,316,088	1.81
Lee Rubber & Tire Corp	Year	1,002,479	3.92	614,246	2.39
Pharis Tire & Rubber Co	10 mos.	455,084	2.07	*190,766	...
Rath Packing Co	Year	1,384,943	4.12	509,599	1.21
Signal Oil & Gas Co	9 mos.	604,448	3.21	710,848	3.81
Sunray Oil Corp. (Del.)	Interim	552,584	.22	844,490	.37
U. S. Smelting & Refining Co	11 mos.	3,513,277	3.80	6,273,717	9.03
Wesson Oil & Snowdrift Co	Quarter	324,825	.06	709,465	.72

* Deficit.

Holiday Mementoes Received

The REPORTER acknowledges in appreciation the receipt from friends of mementoes of the holiday season as follows:—

American Zinc Sales Company, Columbus, Ohio.—1939 three-month calendar pad for wall holder.

Credito Minero y Mercantil, S. A., Mexico, D. F.—A New Year card.

National Aniline & Chemical Company, New York.—Holiday number of *Dyestuffs*, with a special message of gratitude and good wishes.

West Virginia Pulp & Paper Company, New York.—Single sheet wall calendar with a colored picture—"Merchandising"—of an old-time marketing center.

Dow Chemical Company, Midland, Mich.—A colorful Winter picture, with a holiday message of "The Chemistry of Peace."

Hans H. Tobeck, Bremen, Germany.—A picture of the Rathaus, with Yuletide and New Year good wishes.

C. K. Williams & Co., Easton, Pa.—A wall calendar, legibly figured, and showing minor, as well as major holidays, and designating the dates of the moon's changes.

Koppers Company, Pittsburgh.—Large wall calendar of twelve monthly sheets, showing three months at a time, and a special sheet with a 1940 calendar and a directory of Koppers plants.

S. B. Penick & Co., New York.—Desk companion box with three compartments, one containing a pack of memorandum slips, the others with a hinged cover.

E. M. Sergeant Pulp & Chemical Company, New York.—Poster calendar showing three months at a time and picturing the American clipper "Red Jacket" under full sail.

Horatio L. Wilkinson, Brooklyn.—Paint, perisphere, and prospects pictured on a card of New Year greetings.

Commercial Solvents Corporation, this city, closed its office in London, England, as of December 31.

Index to Advertisements

Advance Solvents & Chemical Corp..... —
Alexander, Jerome..... 50
American Agricultural Chemical Co.... 1
American British Chemical Supplies, Inc. ..... —
American Can Co..... —
American Cyanamid & Chemical Corp.. —
American Flange & Mfg. Co..... —
American Potash & Chemical Corp..... 42
Ansbacher-Siegel Corp..... —
Apex Chemical Co., Inc..... —
Ashcraft Wilkinson Co..... 22
Atlantic Refining Co..... —
Atlantic Research Products, Inc..... 32
Atlas Powder Co..... —

Baker, J. T., Chemical Co..... 42
Barium Reduction Corp..... 22
Barrett Company.....26, 51
Barsky & Strauss, Inc..... 50
Bemis Bro. Bag Co..... —
Benzol Products Co..... —
Bradley, A. J., Mfg. Co..... 32
Brode Corp., The..... 38
Brown, Leland, Laboratories..... 50
Bureau of Chemistry..... 50
Bush, W. J., & Co., Inc..... —

Calco Chemical Co..... 31
California Fruit Growers Exchange..... 60
Calvert, Robert..... 50
Carbide & Carbon Chemicals Corp..... 2
Carey, The Philip, Co..... —
Carpinello, Michael, J., Inc..... 50
Chambliss, Hardee..... 50
Chemical Solvents, C. P., Inc..... 60
Chilean Nitrate Sales Corp..... —
Church & Dwight Co..... 22
Colgate-Palmolive-Peet Co..... 42
Colledge, E. W., General Sales Agents, Inc. ..... —
Colton, Arthur, Co..... 34
Columbia Alkali Co..... —
Commercial Solvents Corp..... —
Conewango Refining Co..... —
Consolidated Products Co., Inc..... 58
Continental Can Co..... —
Continental Carbon Co..... —
Cooper, Chas., & Co..... —
Cooper, T. G., & Co., Inc..... 38
Crosby Naval Stores, Inc..... —

Darling & Co..... —
Day Chemical Co..... 50
Deep Rock Oil Corp..... —
Dewey & Almy Chemical Co..... —
Diamond Alkali Co..... 23
Dicalite Co..... 32
Dickinson, J. Q., & Co..... 42
Dodge & Olcott Co..... —
Doggett, Stanley, Inc..... 34
Dow Chemical Co..... —
Draper Mfg. Co..... —
Dunkel, Paul A., & Co., Inc..... 45
Du Pont de Nemours, E. I., & Co..... —

Eastman Kodak Co..... —
Electrical Testing Laboratories..... 50
Electro Bleaching Gas Co..... 11
Ellis-Foster Co..... 50
Emery Industries, Inc..... —

Fezandie & Sperrle..... 29
First Machinery Corp..... 58
Fluorine Products..... 24
Food Research Laboratories, Inc..... 50
Frank-Vliet Co..... —
Franks Chemical Products Co..... —
Freeport Sulphur Co..... 51
Fritzsche Bros., Inc.....32, 47
Fulton Bag & Cotton Mills..... —

General Drug Co..... 48
General Dyestuff Corp..... —
General Electric Co..... —
Gesell, R., & Co., Inc..... —
Givaudan-Delawanna, Inc..... 59
Glyco Products Co..... 60
Goodman, Rex, M.D..... 50
Gray, William S., & Co..... 1
Gray Industrial Laboratories..... 50
Greeff, R. W., & Co., Inc..... 41
Gross, A., & Co..... 37
Gruman, J. B., & Co..... 54

Hardesty, W. C. Co., Inc..... 37
Harshaw Chemical Co..... 60
Heekin Can Co..... —
Heyden Chemical Corp..... 28
Hinde & Dauch Paper Co..... —
Hochstadter Laboratories..... 50
Holt, C. J., & Co., Inc..... 50
Hopkins, J. L., & Co..... 45
Huisking, Chas. L., & Co., Inc..... —
Hutchinson, D. W., & Co., Inc..... 47

Imperial Oil & Gas Products Corp..... —
Imperial Paper & Color Corp..... 33
Independent Mfg. Co..... —
Industrial Consulting Labs., Inc..... 50
Innis, Speiden & Co..... —
International Pulp Co..... —
International Selling Corp..... —
International Vitamin Corp..... 43
Irvington Smelting & Refining Works... 22

Jones & Laughlin Steel Corp..... 27
Jungmann & Co., Inc..... 25

Kentucky Color & Chemical Co..... 34
Knight, B. H..... 50
Koppers Co..... 27
Krebs Pigment & Color Corp..... —

Lake-Spiro-Cohn, Inc..... 50
Laning, E. M., & Co., Inc..... 50
LaWall & Harrisson..... 50
Leonhard, Theodor, Wax Co., Inc..... —
Lueders, George, & Co..... 47

Magnetic Pigment Co..... 31
Magnus, Mabee & Reynard, Inc..... 47
Mallinckrodt Chemical Works..... 6
Manion Steel Barrel Co..... —
Matheson Co..... 25
Mathieson Alkali Works, Inc..... 18
Mathieu, A. H., & Co..... 22
Merck & Co..... 40
Metasap Chemical Co..... —
Miel, George A..... 50
Minnesota Specialty Co..... —
Molnar Laboratories..... 50
Monsanto Chemical Co..... —
Munch, James, Co..... 50
Mutual Chemical Company of America. 29

National Aniline & Chemical Co., Inc... —
National Lead Co..... —
National Milk Sugar Co., Inc..... 42
National Oil Products Co..... 29
National Rosin, Oil & Size Co..... 34
Natural Products Refining Co..... 29
Neuberg, William, Inc..... 42
Neville Co..... —
New Jersey Zinc Co..... 30
New York Quinine & Chemical Works, Inc. 8
Niacet Chemicals Corp..... 29
Niagara Alkali Co..... —
N. V. Potash Export My, Inc..... 25

Oldbury Electro Chemical Co..... 24
Orbis Products Corp..... —
Orthmann Laboratories, Inc..... 50
Osborn, C. J., Co..... 34

Pacific Coast Borax Co..... 1
Pacific Vegetable Oil Corp..... —
Paramet Chemical Corp..... —
Parsons, M. W..... 34
Pease Laboratories, Inc..... 50
Penick, S. B., & Co..... 44
Pennsylvania Coal Products Co..... —
Pennsylvania Oil Products Refining Co. —
Pennsylvania Refining Co..... 48
Pennsylvania Salt Mfg. Co..... —
Pfaltz & Bauer, Inc..... 25
Pfizer, Chas., & Co., Inc..... 21
Phelps-Dodge Refining Corp..... —
Polachek, Z. H..... 50
Potash Company of America..... —
Pressed Steel Tank Co..... —
Prior Chemical Corp..... 1
Procter & Gamble.....37, 42
Publicker Commercial Alcohol Co..... 1
Purdy, W. S., Co., Inc..... 50
Pure Calcium Products Division..... —

Reilly Tar & Chemical Corp..... —
Reklamefondet for Norsk Medicintran.. 41
Rosenthal, H. H., Co., Inc..... —
Royster Chemical Works..... 24
Ryland, H. C., Inc..... 47

Sadtler, Samuel P., & Sons, Inc..... 50
St. Joseph Lead Co..... —
Schimmel & Co., Inc..... —
Schofield-Donald Co., Inc..... —
Schwabacher, S., & Co., Inc..... 42
Schwarz Laboratories, Inc..... 50
Seil, Putt & Rusby, Inc..... 50
Sharples Solvents Corp..... —
Shell Petroleum Co., Inc..... —
Sherka Chemical Co., Inc..... 42
Sherwood Petroleum Co., Inc..... 49
Skelly Oil Co..... —
Slomon, Ira I..... 50
Smith, Kline & French Laboratories.... —
Snell, Foster D., Inc..... 50
Solvay Sales Corp..... 24
Sonneborn, L., Sons, Inc..... 60
Standard Ultramarine Co..... 32
Starlight Refining Co..... —
Stauffer Chemical Co..... 24
Stillwell & Gladding..... 50
Stroock & Wittenberg Corp..... 35
Sun Oil Co..... —

Taintor Trading Co..... 34
Tar & Chemical Div. of Koppers Co..... 27
Tennessee Corp..... 25
Texas Gulf Sulphur Co., Inc..... —
Thornton, The F. C., Co., Inc..... —
Thurston & Braidich..... 45
Titanium Pigment Corp..... —
Todd, A. M., Co..... —
Turner, Joseph, & Co..... 22

Union Carbide & Carbon Corp..... 2
U. S. Industrial Alcohol Sales Co., Inc.. —
U. S. Industrial Chemicals, Inc..... —
U. S. Phosphoric Products Corp..... 25
United States Potash Co..... 51

Vanderbilt, R. T., Co..... 34
Victor Chemical Works..... 25
Viking Distributing Co..... —
Vitro Manufacturing Co..... —
Vlacos, Perry G..... 50
Vorce, L. D..... 60

Wah Chang Trading Corp..... 37
Wecoline Products, Inc..... 37
Weiss & Downs, Inc..... 50
Wheeling Corrugating Co..... —
White Tar Co. of N. J., Inc.....27
Wiley & Co., Inc..... 50
Will & Baumer Candle Co..... 39
Williams, C. K., & Co..... 34
Wilson & Bennett Mfg. Co..... —
Wishnick-Tumpeer, Inc..... —
Woburn Degreasing Co. of N. J..... —
Wolf, Jacques, & Co..... —
Wood Preserving Corp..... 27

ARE YOU IN TOUCH WITH AROMATIC DEVELOPMENTS?

If you or your competitors use aromatics, or if odors are important in your industry, you will find the Industrial Issue of THE GIVAUDANIAN a valuable source of information on developments that affect your business.

THE GIVAUDANIAN is devoted exclusively to the subject of aromatics — how, when and where they can be used with profit in a wide variety of industries. It gives you facts on new products—their properties, uses and the possibilities they offer for further development. It gives many suggestions on how well known odors can be adapted to new applications. It discusses prices, market trends, sources of supply for raw materials and otherwise functions as a source of news on general topics bearing on the use of odors in such widely diversified fields as rubber, printing ink, plastics, textiles, paints, paper, glue, polishes, leather and other merchandise.

Below is a list of typical articles that have appeared in the Industrial Issue of THE GIVAUDANIAN.

"Robbing Printing Ink of Its Terrors"
"Odor Problems in Air Conditioning"
"How Aromatics Are Used in Various Industries"
"Halitosis in Textile Finishing Oils"
"Deodoration Is An Artist's Job"
"Combating Fungus In Paints"
"Warm Weather Calls For Preservatives"
"New Plastic Deodorant Kills Phenolic Odor"
"Market Report On Aromatics"
"Deodorants For Synthetic Rubber"
"Thymol and Its Isomers"
"Varnish Odor Ends Hotel Complaints"
"A Chemist Revolts At A Shower Curtain"
"A Working Language For Odors and Flavors"
"Housewives Agree Glue Odor Is Worst"
"Carbon Paper Producer Outwits Competition"

THE GIVAUDANIAN will be sent to you regularly on receipt of the coupon below. Mail it today — and "be in touch" with aromatic developments.

GIVAUDAN-DELAWANNA, INC.
Industrial Aromatics Division
80 FIFTH AVENUE, NEW YORK, N. Y.

GIVAUDAN-DELAWANNA, Inc.
80 Fifth Avenue, New York, N. Y.
Gentlemen: Please send me the Industrial Issue of The Givaudanian regularly.

Name.....
Firm.....
Title.....
Address.....
City.....State.....

"SERRASOL" PROPRIETARY SOLVENT ALCOHOL
QUALITY SERVICE PRICE
CHEMICAL SOLVENTS
Incorporated
11 Park Place Telephone BArclay 7-8615-6-7 New York

WHITE OIL and PETROLATUM
FOR ALL PHARMACEUTICAL, COSMETIC and INDUSTRIAL PURPOSES
L. SONNEBORN SONS, INC.
Refiners of White Oil and Petrolatum — Refineries: Petrolia and Franklin, Pa.
New York 88 Lexington Avenue
Los Angeles 215 West 5th Street
Chicago 400 West Madison Street
Southwestern Distributors: Sonneborn Bros., 2111 Taylor St., Dallas, Tex.

AMMONIUM
STEARATE LAURATE
OLEATE LINOLEATE
Made in U. S. A.
GLYCO PRODUCTS COMPANY, Inc.
148 Lafayette St. (Dept. 58) New York

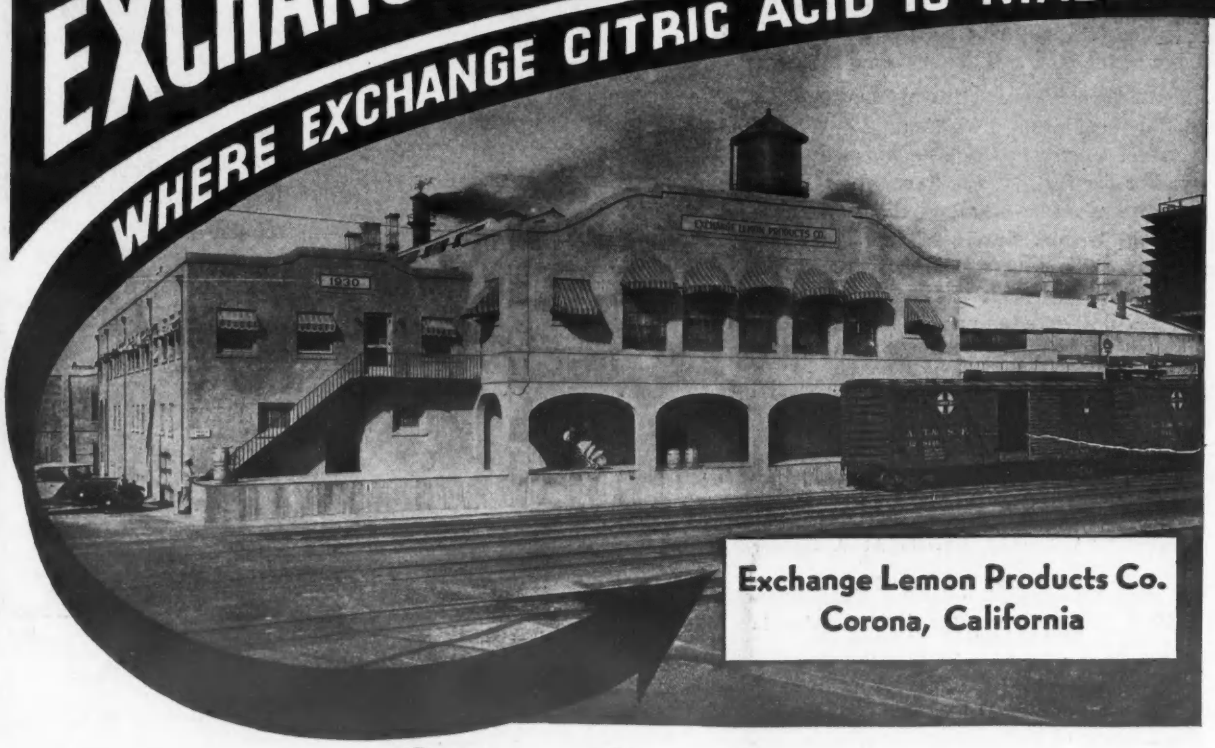
UNIFORM UVERSOLS
(NAPHTHENATE TYPE DRIERS)

"Uversols" are preferred by paint and varnish makers. . . . They can depend on the same high quality driers and the same drying qualities in every shipment.

Uniformity of Uversols is maintained by strict control of production and final laboratory analysis. . . . You can depend on consistent results when you use "Uversols" . . . . Cobalt, lead, manganese, copper and zinc Uversols, made in solid and liquid forms in all the various percentages of metal content.

THE HARSHAW CHEMICAL CO.
Manufacturers, Importers, Merchants
Offices and Laboratories: Cleveland, Ohio
Quality products since 1892
New York, Philadelphia, Chicago, Detroit, Pittsburgh, Cincinnati, East Liverpool, Los Angeles, San Francisco
Works at Cleveland and Elyria, Ohio, and Philadelphia, Pa.

EXCHANGE CITRIC ACID U.S.P.
WHERE EXCHANGE CITRIC ACID IS MADE



EXCHANGE Citric Acid U.S.P. is made by the Exchange Lemon Products Company of Corona, Calif. Backed by the Sunkist group of 13,500 citrus growers—largest in the world. Immediate shipments from warehouse stocks in New York, Chicago and Philadelphia. For prices on kegs, barrels or carloads, write nearest office.

Products Department
CALIFORNIA FRUIT GROWERS EXCHANGE
ONTARIO, CALIFORNIA
189 W. Madison Street, Chicago, Illinois
99 Hudson Street, New York, N.Y.
Exchange
CITRIC ACID U. S. P.

TER

M
S
RS)

nish
ame
ali-

rict
tory
tent
alt,
ols,
the

CO.
nts
hio
92
urgh,
cisco
, Pa.